Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			! GROUP 1642 .

Sheet I of I

Form PTO-1449		
ATTY DOCKET NO. 61-03	SERIAL NO. 09/438,365	FILING DATE November 12, 1999
APPLICANT Chu	·	GROUP 1635

U.S. PATENT DOCUMENTS

Exmr.	Document					Filing Date if
Initial	Number	Date	Name	Class	Subclass	Appropriate
830	6,399,663	06/04/02	Haces et al.	514	642	
	6,020,202	02/01/00	Jessee	435	458	
	5,834,439	11/10/98	Haces et al.	514	42	
	5,736,392	04/07/98	Hawley-Nelson	435	320.1	
	5,674,908	10/07/97	Haces et al.	514	642	
	5,635,487	06/03/97	Wolff et al.	514	44	
	3,369,905	02/20/68	Jones et al.	96	107	
	3,324,182	06/06/67	De Brunner et al.	260	583	
	2,654,785		Miescher, K. et al.	260	567.6	
	2003-0069173	04/10/03	Hawley-Nelson	514	8	
1	2002-0086849	07/04/02	Gebeyehu et al.	514	44	

FOREIGN PATENT DOCUMENTS

		·	Document Number	Date	Country	Class	Subclass	Translation Yes/No
ß	JO		WO 02/34879	05/02/02		C12N 15/88	1	
	1		WO 00/12454	03/09/00	PCT	C07C 19/00		
	Γ		WO 00/58488	10/05/00	PCT	C12N 15/87		
			WO 98/19709	05/14/98	PCT	A61K 47/48		
			WO-97/42819	-11/20/97	· PCT- · · ·	A01N 37/18	1	•
			WO 96/40961	12/19/96	PCT	C12N 15/88		
			WO 94/27435	12/08/94	PCT	A01N 25/26		
			WO 93/14778	08/05/93	PCT	A61K 37/00	1	•
1			WO 93/05162	03/18/93	PCT	C12N 15/63	1	

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

סכט	Felgner et al. (1993) Keystone Symposium on Genetic Targeted Research and Therapeutics: Antisense and Gene Therapy, Keystone, CO; J. Cell. Biochem. Suppl. 0(17 Part E), p. 206, S306
4	Gao, X. and Huang, L. (1993), "Cationic Liposomes and Polymers for Gene Transfer," J. Liposome Res. 3(1):17-30

EXAMINER

DATE CONSIDERED

12/23/05

\bigcirc
FILING DATE 7/28/2003
GROUP 1642

				ATTY. DOCKET NO.	APPL	ICATION HO.	Page 1 o	of 1
		FORM PTO-1449		0942.4650001/RVE/THW	109/4	38,365	· · · · · · · · · · · · · · · · · · ·	
	INFORMA	TION DISCLOSURE STA	TEMENT	CKU et al.	γ			
	····	· · · · · · · · · · · · · · · · · · ·		FILING DATE November 12, 1999	GROU 1635			
EXAMINER	T	1	, U	S. PATENT DOCUMENTS	-			
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	4
	AB	 	 	ļ				
	AC	 	 		+		<u> </u>	
	AD				1	 		
	AE							
	AF AG	 	 		·			7 1
	AH	<u> </u>	-		 	 		
	Al					1		
	AK	 						
			FORE	IGN PATENT DOCUMENTS	1	بـــــــــــــــــــــــــــــــــــــ		
KAMINER NITIAL					Γ -			
1	+	DOCUMENT NUMBER	DATE	COLNTRY	CLASS	SUB-CLASS	TRANSLATION	_
BOD	AL3	NO 95/17373	06/29/1995	WIPO		ļ	Yes No	
<u> </u>	AHS	WD 98/19709	05/14/1998	WIPO			Yes No	
	AN						Yes	2
				- statutate of the second	 	 	Yes	_
	AO .			<u> </u>			No	
	AP	L			<u> </u>	<u> </u>	Yes No	
	Т	DTHER (Including Author	, Title, Date, Pertinent Pages,	etc.)			
		- 1		•		•		
	AR							
		1						
	AS	ļ		•		•		
	"			•				
								•
	AT							
			•	•				
VII NER	LL					· · · · · · · · · · · · · · · · · · ·		
****	\wedge		. •	04	TE CONSIDE	RED /2/2	3/05	

BEST AVAILABLE COPY

()		(*)	
Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

				·	ATTY. DOCKET NO. 0942.4650001/RVE/THN	APPLI0 09/43	CATION NO.	Page 1 of 1	ר 🌆	
		FORM PTO-	1449		APPLICANT	107/43	,,303			
	<u>SE</u> INFORMATI	COND SUPPL	EMENTAL	EHENT .	CHU et al.	GROUP			- 1	
	···			-	November 12, 1999	1643			=	
AHINER	Т	T		0.5	PATENT DOCUMENTS	· · T · · · · ·	T			
HITIAL		OCCUREN'	NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA	╅		 			 		-	
	AC						†		1	
	A0									
	AE			 			 		-	
	AF AG	+		 			 	 		
	AH									
	Al							·]	
	AK	 		 			 		-	
	^^		,	FORE	IGN PATENT DOCUMENTS				1 1	
HINER TIAL		OOCUMENT	Name o	DATE	COUNTRY	CLASS	SIR-PLASS	TRANSLATION		
1146	 	100.00	NONDER	JANE TO STATE OF THE PARTY OF T	LOSIKI	CENSS	308-CCX33	Yes		
	AL	-	-				 	Ма	-	
	AM	ļ		• • • •		•		Tes No		
	AN	1						Yes CH		
		1						Yes		
h -11	AO	1			** ***********************************			Tes	_	
376	APZ	UO 99/02		01/21/1999	VIPO			Wo		
	7		OTHER (Including Author	Title, Date, Pertinent Pages	, etc.)			-	
				•						
	AR				•					
					 					
	.									
	AS									
	$\perp \perp \mid$									
	AT									
					•					
	٠				·	T				
INER	^	/		٠		DATE CONSIDE	KED /2/2	3/05		

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BJD	6,093,564	07/25/2000	Budowsky et al.	C12N	7/06	

FOREIGN PATENT DOCUMENTS

BID	Document Number WO 98/29541	Date 09/07/1998	Country PCT	Class C12N	Subclass 15/00	Translation Yes/No

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

12/23/05

Ö		()
Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

				T	1,001.11	CATION NO.	Page 1 of 2
				ATTY. DOCKET NO. 0942.4650001	09/43		
•		ORM PTO-1449		APPLICANT Chu et al.		<u></u>	
FIRST SUPP	EHENTAL	NFORMATION DISCLO	SURE STATEMENT	FILING DATE Hovember 12, 1999	GROUP To be	assigned	
			U.	S. PATENT DOCUMENTS			
AKINER	T	THE PERSON NAMED	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
ITIAL		DOCUMENT NUMBER	DATE	100			·
	AB		·		1,70	172.3	09/19/1995
BJP	AC4	5,764,335	04/28/1998	votff et al.	435	1,,,,,	Gi) iii
	AD AE		<u> </u>				
	AF						<u> </u>
	AG		<u> </u>				
	AR						
	AJ						
	AK			EIGN PATENT DOCUMENTS			
	-	Τ	1			STEP-CLASS	TRANSLATION
CAMINER VITTAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	308-00233	Ye
	· AL	<u>.</u>					Y .
	AM						<u> </u>
AJD			05/16/1969	France			*
1	ART	FR 1,567,214					*
	A01	WD 97/42519	11/20/1997	WIPO			· · · · · · · · · · · · · · · · · · ·
<u> </u>	AP1	EP 0 846 680 A1	06/10/1998	Europe			<u>\</u>
		OTHER	(Including Aut	nor, Title, Date, Pertinent	Pages, etc.)		
				•			
	AR			•			
		'					
	AS						
				, abstract no. 68522p, "Low-	forming deterept	nts containi	ng bisquaternar
B30	AT	5 Kenkel un	d Cie. G.m.b.H. ,• Chen. Abst.	72(14):116 (April 1970).	togating occurred		
				·			
					DATE CON	SIDERED /2	13/05

	C
SERIAL NO. 10/629,522	FILING DATE 7/28/2003
	GROUP 1642
	SERIAL NO. 10/629,522

					ATTY, DOCKET NO.		CATION NO.	Page 2 of 2
		SORM P	710-1449		0942,4650001	09/43/	3,383	
CIMPI	EMEUTAL	•		SURE STATEMENT	Chu et al.			
FIRST SUPPL	<u> </u>	147547			FILING DATE November 12, 1999	GROUP To be		
				U.	. PATENT DOCUMENTS			
MIKER	T	1				CLASS	SUR-FLASS	FILING DATE
TIAL	┼	DOCU	MENT MUMBER	DATE	NAME	- CCASS	308-0023	
	AB	+-		-				
	AC	+					 	<u> </u>
	10						 	
	AE	+		 	 		 	
	AF AG	+-		 				
	AH						 	
	Al				<u> </u>		+	
	AJ	+-		 			 	
]·AK			FOR	TIGN PATENT DOCUMENTS			
MINER	T					CLASS	SUB-CLASS	TRANSLATION
TIAL		DOC	MENT KUMBER	DATE	COUNTRY	1	1000 000	Ye
BJO	ALZ	140 9	98/02190	01/22/1998	WIPO .	+	 	Ye
1	ANZ	vo (98/40499	09/17/1998	WIPO	`	\	ж
+		\top			11100	1	1	Ye
+-	ANZ	NO 1	98/40502	09/17/1998	VIPO		1	10
	YOS	VO !	99/29712	06/17/1999	VIEO			1
•	AP				·			<u> </u>
	12.		OTHER	(Including Auth	or, Title, Date, Pertinent Page	s, etc.)		
	Ţ							
han	AR	<u>6</u> .	McCluskie,	M. et al., abstr	act no. 91045k, "Direct gene tr d-formulated DNA," <i>Chem. Abst.</i>	ansfer to the	respiratory	trect of mice
Bap		1	with pure p	lasmid and lipi	g-formulated bis," Citil. Nost.	1001151 (1.00.1		
		-	 					
- (٠		051 #1500	llam PCRACL	ed.
- 1	AS	6	Internation February 22	nal Search Repor 1, 2000.	t for International Application	1 NO. PLI/0377	/LUGES, 14.	
					•			
	1	\dagger	1.					
	AT		1					
					•			
ANIMER		<u>ト</u>				DATE CONS	DERED /2	123/05
		<u> </u>			not citation is in conformance			7

OCT O 7 2005 W

C,		<u>(: </u>	
Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

Previously Submitted in:

FORM PTO-1449			ATTY. OOCKET NO. APPLICATION NO. 0942.4650001 09/438,365				
1	NEORMAT	ON DISCLOSURE S	TATEMENT	FILING DATE Hovember 12, 1999	GROU To b	p e assigned	_
			U.	S. PATENT DOCUMENTS			
XAMINER	Т						
HITIAL	 	DOCUMENT NUMB		NAME	- CLASS	SUB-CLASS 584	08/25/1951
KOD	MI	2,695,314	11/23/1954	Kosmin, H.	. 590	47	05/05/1955
	AB1	2,901,461	08/25/1959	Averbach et al.	260	584	11/15/1960
	AC1	3,152,188	10/06/1964	Kirkpatrick, V.N.			10/29/1987
	A01	4,897,355	01/30/1990	Epostein et al.	435	240.2	
	AE1	5,171,678	12/15/1992	Behr et al.	435	172.3	04/17/1990
	· AF1	5,208,036	05/04/1993	Epostein et al	424	450	11/16/1990
	AG1	5,279,833	01/18/1994	Rose, J.K.	424	450	04/04/1990
	AH1	5,283,185	02/01/1994	Epand et al.	435	172.3	08/28/1991
	AI1	5,334,761	08/02/1994	Gebeyehu et al.	564	197	08/28/1992
	AJ1	5,455,335	10/03/1995	Kahne et al.	536	5	04/08/1994
	AK1	5,459,127	10/17/1995	Felgner et al.	514	7	09/16/1993
			FOR	EIGH PATENT DOCUMENTS			
XAM I NER	T						
MITIAL		DOCUMENT NUMB	ER DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
000	1	50 0 700 111	B1 06/04/1997	Europe			7
-	AL1	EP 0 394 111	81 06/04/1997	to ope		$\overline{}$	7
	AHT	UD 94/27435 A	1 12/08/1994	WIPO		1	
							Υ.
	KA	- 					Y
	AO.		1			1	
	 ~			-			. Y
	AP_	J			l		<u> </u>
		OTH	ER (Including Auth	or, Title, Date, Pertinent I	Pages, etc.)		
800	AR		, A.O. et al., "Oi Biol. 13:238-252 (ffusion of Univalent lons ac (1965).	ross the Lamella	: e of Swollen I	Phosphol ipids,
	ás:	Behr. J Lipopot	P. et al., "Effi yamine-coated DNA,	cient gene transfer into mad = Proc. Natl. Acad. Sci. USA	malien primery e <i>86</i> :6982-6986 (Se	ndocrine celli ptember 1989)	i with
	AT	1 Felgner procedu	, P.L. et al., "Li re," <i>Proc. Natl. A</i>	pofection: A highly efficien cad. Sci. USA 84:7413-7417 ()	nt, lipid-mediate November 1987).	d OWA-transfe	ction .

ALE PARTY AREA !

	Form PTO-1449				
E_	ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003
	APPLICANT Chu et al.			GROUP 1642	

OCT 0 7 2005

Previously Submitted in:

				ATTY, DOCKET NO. 0942,4650001		1CATION NO. 38,365	Page 2 of 5
FORM PTO-1449			APPLICANT				
	NFORMATI	ON DISCLOSURE STAT	EMENT	Chu et al.			
				FILING DATE November 12, 1999	GROU To b	e assigned	
			U.	S. PATENT COCUMENTS			
XAMINER INITIAL		DOCUMENT MUNBER	DATE	MAME	CLASS	SUB-CLASS	FILING DATE
BJO	MS	5,545,412	08/13/1996	Epostein et a).	157	450	04/03/1995
	ABZ	5,550,289	08/27/1996	Epostein et al.	564	593	04/03/1995
	ACZ	5,589,466	12/31/1996	Felgner et al.	514	144	01/26/1995
	AD2	5,667,774	09/16/1997	Figuly, G.D.	424	78.08	11/07/1996
	AEZ	5,674,908	10/07/1997	Haces et al.	514	642	12/20/1993
	AF2	5,703,055	12/30/1997	Felgner et al.	514	24	01/26/1994
	AG2	5,705,385	01/06/1998	Bally et al.	. 435	320.1	06/07/1995
	AH2	5,719,131	02/17/1998	Harris et al.	514	44	10/20/1995
	SIA	5,736,392	04/07/1998	Hawley-Nelson et al.	435	320.1	06/04/1996
	AJZ	5,753,613	05/19/1998	Ansell' et al.	514	2	05/16/1995
	AK2	5,783,565	07/21/1998	Lee et al.	514	44	02/01/1996
			FORE	ELGN PATENT DOCUMENTS			***************************************
XAMINER MITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL			·			. 7
	AH						Y
	AN						Y
	AO	·					٧.
•	AP						γ.
		OTHER	Including Author	or, Title, Date, Pertinent Pag	es, etc.)		<u></u>
مرتط	AR	, puxunega, m	i. et ar., "Lipo	some Entrapment Erhances the Endocrino), 115:757-761 (1984)	Hypocalcemic Ad	ition of Parer	nterally
	AS.			Mavel Cationic Liposome Reage Res. Comm. 179:280-285 (August		nt Transfectio	on of Manmalia
	AT	Kart, S.t. vector," Mu	at al., "Lipid- m. Gene Ther. 9:	Mediated Enhancement of Trans :575-585 (March 1998).	fection by a Ho	nviral Integr	in-Targeting
	<u> </u>				laure sever	DERED /L/	

()			
Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

we was a second second to the second second

 $C_{\mathbb{N}}$

Section 1

FORM PTO-1449			AFTY. DOCKET NO. APPLICATION NO. 0942.4650001 09/438,365				
J	NFORMATI	ON DISCLOSURE STAT	EMENT	Chu et al.			
				FILING DATE November 12, 1999		CUP be assigned	
			U.	S. PATENT DOCUMENTS		1	
XAMINER	T	1					[
HITTAL		DOCUMENT NUMBER	DATE	NAME	CLASS		FILING DATE
BOP	AA3	5,783,566	07/21/1998	Mislick, K.A.	514	44	05/10/1996
	A83	5,785,992	07/28/1998	Ansell et al.	424	450	09/29/1995
	AC3	5,795,587	08/18/1998	Gao et al.	424	450	01/23/1995
	AD3	5,830,430	11/03/1998	Unger et al.	424	1.21	02/21/1995
	E3A	5,830,878	11/03/1998	Gorman et al.	514	44	06/07/1995
	. AF3	5,834,439	11/10/1998	Haces et al.	. 514	7.5	01/13/1997
	AG3	5,837,283	11/17/1998	McDonald et al.	. 424	450	03/12/1997
	AH3	5,840,710	11/24/1998	Lee et al.	514	44	10/20/1995
	AI3	5,908,635	06/01/1999	Thierry, A.	121	450	08/05/1994
	AJ3	5,935,936	08/10/1999	Fasbender et al.	514	44	06/03/1996
	AK3	5,948,925	09/07/1999	Keynes et al.	552	540	05/06/1997
		<u> </u>		EIGH PATENT DOCUMENTS			
XAMINER	T	T	1	T DECILE			
MITTAL		DOCUMENT NUMBER	DATE	COLINTRY	CLASS	SUB-CLASS	TRANSLATION
	AL	·					1
	м						
· 	AN						<u> </u>
	AO						· · ·
•	1	1			1		. '
	AP .	J	<u> </u>				
				or, Title, Date, Pertinent P			
do d	AR	Kim, S. et (1983).	al., "Preparati	on of Multivesicular Liposom	mes,* Biochim.	Biophys, Acta 7	28:339-348
·	AS.	Mayer, L.D. Biochim. Bio	et al., "Vesic pphys. Acta 858:	iles of variable sizes produc :161-168 (1986).	ed by a rapid	extrusion proce	idure,# -
	AT	3 Hayheu, E. Biophys. Aci	et al., "Charac a 775:169-174	terization of Liposomes Prep (1984).	pered Using a l	Nicroemutsifier,	= Blochim.

\bigcirc		()	
Form PTO-1449.			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	-
APPLICANT Chu et al.		GROUP 1642	

							Page 4 of 5
				ATTY. DOCKET NO. 0942,4650001		LICATION NO. 438,365	
	PHENOMATI	FORM PTO-1449	TATEMENT	APPLICANT Chu et al.			
•	INFORMATION DISCLOSURE STATEMENT			FILING DATE November 12, 1999	GRO.	up be assigned	
			U.	.S. PATENT DOCUMENTS			
EXAMINER INITIAL	1	DOCUMENT NUMB	ER DATE	NAME	CLASS	SUB-CLASS	FILING DATE
ACS	444	5,948,767	09/07/1999	Scheule et al.	514	44	07/12/1996
	A84	5,962,533	10/05/1999	Bergeron, Jr., R.J.	514	- 674	02/06/1996
	AC						
	AD.						<u> </u>
	AE	<u> </u>				<u> </u>	<u> </u>
	, AF	<u> </u>					
	AG						
	HA						
	A1	<u> </u>					
	AJ						
	AK						J
			FOR	REIGH PATENT DOCUMENTS			Т
EXAMINER INITIAL		DOCUMENT NUMB	ER OATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes
	HA						Yes
	AM.	T					Yes No
	AO	T					Yes No
·	AP						Yes No
		OTH	ER (Including Auth	nor, Title, Date, Pertinent Pag	ges, etc.)		
	T						
800	AR	, Olson, I	f. et al., "Prepara	ation of Liposomes of Defined Biochim. Biophys. Acta 557:9-2	Size Distribu	tion by Extrus	ion Through
	AS	4 Rosenthi 235:2202	sl, A.F. and Geyer 2-2206 (August 1966	, R.P., "A Synthetic Inhibitor 0).	- of Venom Lec	ithinase A,* J	1, 8iol. Chem.
	AT	4 internal	r., F. and Papahad Laqueous space an -4198 (1978).	ijopoulos, D., MProcedure for p ad high capture by reverse-phas	preparation of se evaporation	tiposomes with proc. Nati.	ch large Acad, Sci. USA
EXAMINER	一万				DATE COM	SIDERED /2/	123/05
				not citation is in conformence			

	,	() ·
Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

				ATTY. DOCKET NO. 0942.4650001		CATION NO. 18,365	Page 5 of 5
		FORM PTO-1449		APPLICANT Chu et al.			
	INFORMATION DISCLOSURE STATEMENT			FILING DATE	GROUP		···········
				November 12, 1999		assigned	
				U.S. PATENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	HARE	CLASS	SU8-CLASS	FILING DATE
	M						
	AB	_	ļ				
	AC	<u> </u>				 	
	AD.	-				 	
	AE	 					
	AF					+	
	AG		<u> </u>			+	
	AH AI	 	 	 	 		
	LA		 			+	
	AK	1					
		· I	FO	REIGH PATENT DOCUMENTS			
EXAMINER	T	T	I				
INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL		.				Ye
		· · · · · ·					Ye
	- HA						N Ye
	AN		ļ			ļ	H-
	AO						Ye H
•	AP						Ye:
		OTHER (Including Aut	hor, Title, Date, Pertinent P	ages, etc.)		
Bob	AR .	2 Zhou, x. et Biochim. Bio	al., "Lipophi phys. Acta 10	lic polylysines mediate effic 65:8-14 (1991).	ient DNA transfer	ction in main	ulian cells;"
<u> </u>	AS.	5 Life Technol	ogies Inc. ca	italogue, <i>Spectrum</i> , pp. 1-8 (S	eptember 1999).	· ·	
	AT .	٠.					
	1 1						

Form PTO-1449 ATTY DOCKET NO. 61-03A SERIAL NO. 10/629,522 FILING DATE 7/28/2003			
720,2000	Form PTO-1449		
ADDI ICANT Chu at al	ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT CITURE 13. GROUP 1542	APPLICANT Chu et al.		GROUP 1642

Information Disclosure Statement

erinde en en Argentie

Page 1 of 3

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

New Transfection Reagents

Application Number:

09/438365

09/438365

Confirmation Number:

9217

First Named Applicant:

Yongliang Chu Attorney Docket Number: 0942.4650001

Examiner:

Janet L. Epps

Search string:

(2654785 or 3324182 or 3369905.or 4143003 or 4889953 or 4967008 or 4946787 or 5049386 or 5091576 or 5166320 or 5198423 or 5266106 or 5264618 or 5338532 or 5354844 or 5498522 or 5527524 or 5532142 or 5547932 or 5560929 or 5578475 or 5583198 or 5587441 or 5587446 or 5589392 or 5631329 or 5574142 or 5635487 or 5658776 or 5661025 or 5670347 or 5714166 or 5736387 or 5759805 or 5773527 or 5837533 or 5854224 or 5861397 or 5866613 or 5906922 or

5837092 or 2867665).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
BJO	1	2654785	2003-05-27	Miescher et al.			
	2	3324182	1967-06-06	De Brunner et al.			
	3	3369905	1968-02-20	Jones et al.			•
	4	4143003	1979-03-06	Haas et al.			
	5	4889953	1989-12-26	Inque et al.			
	6	4967008	1990-10-30	Friedli et al.			
	7	4946787	1990-08-07	Eppstein et al.		·	

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	GROUP 1642	

Information Disclosure Statement

Page 2 of 3

114-	11 .		II	0
820		5049386	1991-09-17	Eppstein et al.
4	9	5091576	1992-02-25	Bergeron
	10	5166320	1992-11-24	Wu et al.
	11	5198423	1993-03-30	Taguchi et al.
	12	5266106	1993-11-30	Winnik et al.
	13	5264618	1993-11-23	Felgner et al.
	14	5338532	1994-08-16	Tomalia et al.
	15	5354844	1994-10-11	Beug et al.
	16	5498522	1996-03-12	Porter
	17	5527524	1996-06-18	Tomalia et al.
	18	5532142	1996-07-02	Johnston et al.
	19	5547932	1996-08-20	Curiel et al.
	20	5560929	1996-10-01	Hedstrand et al.
	21	5578475	1996-11-26	Jessee
	22	5583198	1996-12-10	Whittaker
	23	5587441	1996-12-24	Frechet et al.
	24	5587446	1996-12-24	Frechet et al.
	25	5589392	1996-12-31	Short
	26	5631329	1997-05-20	Yin et al.
	27	5574142	1996-11-12	Meyer, Jr. et al.
	28	5635487	1997-06-03	·Wolff et al
	29	5658776	1997-08-19	Flotte et al.
	30	5661025	1997-08-26	Szoka, jr. et al.
	31	5670347	1997-09-23	Gopal
	· 32	5714166	1998-02-03	Tomalia et al.
	33	5736387	1998-04-07	· Paul et al.
	34	5759805	1998-06-02	Feldhaus et al.
	35	5773527	1998-06-30	Tomalia et al.
	36	5837533	1998-11-17	Boutin
	37	5854224	1998-12-29	Lockett et al.
	38	5861397	1999-01-19	Wheeler
	39	5866613	1999-02-02	Bergeron
	40	5906922	1999-05-25	Whittaker et al.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Information Disclosure Statement

Page 3 of 3

830	41	5837092	1998-11-17	Grieves et al.		
	42	2867665	1959-01-06	Dornfield		
Signa	ature					
Examiner Name					Date	
	7				12/23/05	==

Form PTO-1449		
	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Information Disclosure Statement

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

New Transfection Reagents

Application Number:

09/438365

09/438365

Confirmation Number:

9217

First Named Applicant: Yongliang Chu Attorney Docket Number: 0942.4650001

Examiner:

Janet L. Epps

Search string:

(4235871 or 4501728 or 4683195 or 4683202 or 4737323 or 4767699 or 4800159 or 4812449 or 4837028 or 4889818 or 4962022 or 4965188 or 5047342 or 5079352 or 5165925 or 5186923 or 5187085 or 5244797 or 5264423 or 5270179 or 5276019 or 5277897 or 5286717 or 5328470 or 5328984 or 5350672 or 5374553 or 5409818 or 5436149 or 5455166 or 5484702 or 5498523 or 5500356 or 5506212 or 5510239 or 5510476 or 5512438 or 5512462 or 5514577 or 5514787 or 5519134 or 5521291 or 5521302 or 5541307 or 5543507 or 5545540 or 5554746 or 5580859 or ··· 5595897 or 5595096).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
BOZ	1	4235871	1980-11-25	Papahadjopoulos et al.	<u> </u>		
	2	4501728	1985-02-26	Geho et al.	ĺ		
	3	4683195	1987-07-28	Mullis et al.	ĺ		
\prod	4	4683202	1987-07-28	Mullis	Ĭ		
	5	4737323	1988-04-12	'Martin et al.	ĺ		
工	6	4767699	1988-08-30	Vary et al.	์ โ		

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	GROUP 1642	

Previously Submitted in: Information Disclosure Stateme

Page 2 of 3

			·	·
BSb	7	4800159	1989-01-24	Mullis et al
	8	4812449	1989-03-14	Rideout
П	9	4837028	1989-06-06	Allen
	10	4889818	1989-12-26	Gelfand et al.
	11	4962022	1990-10-09	Fleming et al.
	12	4965188	1990-10-23	Mullis et al.
\prod	13	5047342	1991-09-10	· Chatterjee
\Box	14	5079352	1992-01-07	Gelfand et al.
\Box	15	5165925	1992-11-24	Leong
	16	5186923	1993-02-16	Piwnica-Worms et al.
\Box	17	5187085	1993-02-16	Lee
	18	5244797	1993-09-14	Kotewicz et al.
	19	5264423	1993-11-23	Cohen et al.
	20	5270179	1993-12-14	Chatterjee
	21	5276019	1994-01-04	. Cohen et al.
	22	5277897	1994-01-11	Piwnica-Worms et al.
	23	5286717	1994-02-15	Cohen et al.
	24	5328470	1994-07-12	Nabel et al.
	25	5328984	1994-07-12	Pastan et al.
	26	5350672	1994-09-27	Oberst et al.
	27	5374553	1994-12-20	Gelfand et al.:
	28	5409818	1995-04-25	Davey et al.
	29	5436149	1995-07-25	Barnes
	30	5455166	1995-10-03	Walker
	31	5484702	1996-01-16	Ludwig
	32	5498523	1996-03-12	Tabor et al.
	33	5500356	1996-03-19	Li et al.
	34	5506212	1996-04-09	Hoke et al.
	35	5510239	1996-04-23	Baracchini, Jr. et al.
	36	5510476	1996-04-23	Ravikumar et al.
	37	5512438	1996-04-30	Ecker
\prod [38	5512462	1996-04-30	Cheng

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Information Disclosure Statemer

Page 3 of 3

h a	u.	11	li .	"
80	2 39	5514577	1996-05-07	Draper et al.
	40	5514787	1996-05-07	Atkinson
	41	5519134	1996-05-21	Acevedo et al.
	42	5521291	1996-05-28	Curiel et al.
	43	5521302	1996-05-28	Cook
	44	5541307	1996-07-30	Cook et al.
	45	. 5543507	1996-08-06	Cook et al.
	46	5545540	1996-08-13	Mian
	47	5554746	1996-09-10	Ravikumar et al.
	48	5580859	1996-12-03	Felgner et al.
	49	5595897	1997-01-21	Midoux et al.
	50	5595096	1997-01-21	Coffman

Signature

Examiner Name	Date
	12/23/05

Form PTO-1449			
	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

Information Disclosure Statement

Page 1 of 3

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

New Transfection Reagents

Application Number:

09/438365

09/438365

Confirmation Number:

9217

First Named Applicant:

Yongliang Chu Attorney Docket Number: 0942,4650001

Examiner:

Janet L. Epps

Search string:

(5596091 or 5602240 or 5614365 or 5627159 or 5641662 or 5650096 or 5676954 or 5681944 or 5691460 or 5693509 or 5693773 or 5726298 or 5756353 or 5759778 or 5780053 or 5827703 or 5869606 or 5871929 or 5877309 or 5885970 or 5886165 or 5908777 or 5916807 or 5919772 or 5929226 or 5948614 or 5977306 or 5976567 or 5985558 or 6013448 or 6020202 or 6022950 or 6030626 or 6031086 or 6051429 or 6054439 or 6074826 or 6075012 or 6086913 or 6090627 or 6103492 or 6110662 or 6110916 or 6126965 or 6214804 or 6251390 or 6287817 or 6376248 or 6387395 or 20020028447 or 20020077305 or

20020156049).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

1	init	Cite.No.	Patent No.	Date	Patentee ·	Kind	Class	Subclass
	BOK	. 1	5596091	1997-01-21	Switzer]		· · · · · · · · · · · · · · · · · · ·
	\mathbf{I}	2	5602240	1997-02-11	De Mesmaeker et al.	j .		
		3	5614365	1997-03-25	Tabor et al.	ĺ		
	\mathbf{L}	4	5627159	1997-05-06	Shih et al.	ĺ		
ſ.	Д	5	5641662	1997-06-24	Debs et al.	ĺ		

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

. . Information Disclosure Statement

Page 2 of 3

B	1 22 6	5650096	1997-07-22	Harris et al.
Ī	7	5676954	1997-10-14	Brigham
П	8	5681944	1997-10-28	Crooke et al.
П	9	5691460	1997-11-25	Duvic et al.
	10	5693509	1997-12-02	Cotten et al.
	11	5693773	1997-12-02	Kandimalla et al.
	12	5726298	1998-03-10	Hirai et al.
	13	5756353	1998-05-26	Debs
	14	5759778	1998-06-02	Li et al.
	15	5780053	1998-07-14	Ashley et al.
	16	5827703	1998-10-27	Debs et al.
	17	5869606	1999-02-09	Whittaker
	18	5871929	1999-02-16	Barnes-
	19	5877309	1999-03-02	McKay et al.
	20	5885970	1999-03-23	Bennett et al.
I	21	5886165	1999-03-23	Kandimalla et al.
	22	5908777	1999-06-01	Lee et al.
	23	5916807	1999-06-29	Bennett et al.
\prod	24	5919772	1999-07-06	Szyf et al.
\perp	25	5929226	1999-07-27	Padmapriya et al.
	26	5948614.	. 1999-09-07	Chatterjee
Ш	27	5977306	1999-11-02	Grieve et al.
	28	5976567	1999-11-02	Wheeler et al.
Ц	29	5985558	1999-11-16	Dean et al.
	30	6013448	2000-01-11	Braxton et al.
Ц	31	6020202	2000-02-01	Jessee
Ц	32	6022950	2000-02-08	Murphy
\coprod	33	6030626	2000-02-29	Kolattukudy et al.
	34	6031086	2000-02-29	Switzer
Щ	35	6051429	2000-04-18	Hawley-Nelson et al.
	36	6054439	2000-04-25	Szyf et al.
4	37 e	6074826	2000-06-13	Hogan et al.

Form PTO-1449			
	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

Previously Submitted in Section 2015

· · Information Disclosure Statement

Page 3 of 3

1330	38	6075012	2000-06-13	Gebeyehu et al.]	
	39	6086913	2000-07-11	Tam et al.	Ī	
	40	6090627	2000-07-18	Kemp et al.	Ī	
	41	6103492	2000-08-15	Yu	ĺ	
M	42	6110662	2003-08-29	Foung et al.	Ī	
	43	6110916	2000-08-29	Haces et al.	ĺ	
	44	6126965	2000-10-03	. Kasid et al.	Ī	
	45	6214804	2001-04-10	Felgner et al.	В1	
	46	6251390	2001-06-26	Harman et al.	B1	
	47	6287817	2001-09-11	Davis et al.	Bl	•
	48	6376248	2002-04-23	Hawley-Nelson et al.	В١	
T	49	6387395	2002-05-14	Eppstein et al.	B1	

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
Boo	1	20020028447	2002-03-07	Li et al.	Αl		
	2	20020077305	2002-05-20	Jessee et al.	Αl		
	3	20020156049	2002-10-24	Haces et al.	Al		

Signature

Examiner Name	Date
	12/23/05

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

7age 1 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS FILING DATE * AB AC AD AE AF λG AH λI λĴ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY DATE CLASS SUB-CLASS TRANSLATION Yes BOD 08/30/1939 Europe AL11 EP 0 329 822 A2 No Yes AM11 WO 90/09180 A1 08/23/1990 WIPO No Yes ANI 1 WO 90/11092 A1 10/04/1990 WIPO Yes No 11/14/1991 WIPO A011 Yes WO 92/06188 A2 04/16/1992, WIPO OTRER (Including Author, Title, Date, Pertinent Pages, etc.) AR " AS Albrecht, T., et al., *Cationic lipide mediated transfer of c-abl and bor antisense oligonucleotides to immature normal myeloid cells: upcake, biological effects and modulation of gene expression, * Ann. Hematol. 72:71-79, Springer-Verlag (1996) BJB AT 57 EXAMINER DATE CONSIDERED 12/23/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 ATTY DOCKET NO. 61-03A SERIAL NO. 10/629,522 FILI	NG DATE 7/28/2003
	OUP 1642

				ATTY. DOCKET N 0947.4650001/R		APPLICATION NO. 09/438, 165		
	1	FORM PTO-1449		APPLICANT				
EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				Chu et al.		GROUP		
				November 12, 1	999	1635		
			U.S. PA	TENT DOCUMENTS				
XAMINER NITIAL		DOCUMENT NUMBER	DATE	NAME	CLAS	SUB-CLASS	FILING DAT	
	AA.							
	AB							
	AC					1		
	AD		1					
	AE	<u> </u>	<u> </u>				<u> </u>	
	AF						ļ	
	AG	 	+				 	
	AR AI		+	<u> </u>		+	 	
	TAT TA	 	+	 		 	 	
	AK					+	 	
		·	POREIGN P	ATENT DOCUMENTS			·	
XAMINER NITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO	
Boo	AL12	HO 92/06200 A1	04/16/1992	WIPO			Ye	
	AM12	HO 92/20697 A1	11/26/1992	WIPO			Ye	
	AN12	WO 93/03709 A1	03/04/1993	WIPO			Ye N	
	A012	WO 93/08130 A1	04/29/1993	WIPO			Ye X N	
T	AP12	WO 93/19768 A1	10/14/1993	MISO			Ye N	
		OTRER (Includi	*	tle, Date, Perti	nent Pages, et	c.)		
BJ6.	AR	. <u>58</u>	M. or al., °C F\$-Alanine ar ss. Ltd. (196	Conformation and of y-Aminobutyric 14)	Thermal Stabi Acid, Bioph	lity of DNA i	n Aqueous 620,	
	AS	58 Discinguishe	s between Dec	e E. coli DNA Pol pxy- and Dideoxyr (April 1998)	ymerase I (Klo	enow fragment J. Mol. Biol.	278:147-	
	AT	S8 Barnes, W.H. N-terminal d	, "The fideli eletion," Gen	ty of Tag polyme e 112:29-35, Els	rase catalyzir evier Science	g PCR is imp Publishers B	roved by an .V. (1992)	

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Acceptable of the American Acceptable of the American Previously Submitted in the

Page 3 of 42 APPLICATION NO. ATTY. DOCKET NO. 0942.4650001/RWE/THN 09/438.365 FORM PTO-1449 APPLICANT Chu et al EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GRCUP November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE DOCUMENT NUMBER DATE NAME AA AB AC AD AE AF AG AH AI דא AK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER TRANSLATION DATE COUNTRY CLASS SUB-CLASS INITIAL Yes BOD WO 94/02499 A1 02/03/1994 WIPO No Yes AM13 WO 94/07899 AL 04/14/1994 WIPO No Yes No AN13 WO 94/08004 A1 04/14/1994 Yes WO 94/14475 A1 07/07/1994 WIPO A013 Yes AP13 WO 94/17093 AL 08/04/1994 WIPO . No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Baskarsn, "N", "et"al., "Uniform Amplification of a Mixture of Deoxyribonucleic" Acids with Varying GC Content, " Genome Res. 6:633-638, Cold Spring Harbor Laboratory Press (1996) BOD AR 52 Behr, J.P., "Gene Transfer with Synthetic Cationic Amphiphiles: Prospects for **ZA** 52 Gene Therapy, Bioconjug. Chem. 5:382-389, American Chemical Society (1994) Benoist, C., et al., "In vivo sequence requirements of the SV40 early promoter region," Nature 290:304-310, Macmillan Journale, Ltd. (1981) AT <u>59</u> DATE CONSIDERED /2 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

next communication to Applicant.

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

(· · ·)

Page 4 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al FILING DATE GROUP November 12 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AB AC AD AE AF AG KA AI A.J AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION BJO WO 95/16028 A1 06/15/1995 #120 No AM14 WO 95/20682 A1 08/03/1995 WIPO No Yes AN 14 09/28/1995 Germany No Yes 11/29/1995 Europe No Yes AP14 DE 44 11 594 C1 12/14/1995 Germany No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Bonfanti, H., et al., "p21" derived Peptides Linked to an Internalization -- Peptide Inhibit Ruman Cancer Cell Growth." Cancer Res. 57:1442-1446, American Association for Cancer Research (April 1997) BJD. <u>.60</u> .. Böttger, M., et al., "Condensation of vector DNA by the chromosomal protein RMG1 results in efficient transfection," Biochim. Biophys. Acta 950:221-228, Elsevier Science Publishers B.V. (1988) ٨S 60 Boussif, O., et al., "A versatile vector for gene and oligonucleotide transfer into cells in culture and in vivo: Polyethylenimine," Proc. Natl. Acad. Sci. USA 92:7297-7301, National Academy Press (1995) AT 60 DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Préviously Submitted in the second of the second

					ATTY, DOCKET NO 0942.4650001/RM		APPLICATION 09/438,365	NO.	
FORM PTO-1449					APPLICANT				
EIGHTM SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				Chu et al. FILING DATE November 12, 19	199	GROUP 1635	· · · · · · · · · · · · · · · · · · ·		
	·			IT C DA	TENT DOCUMENTS		12033		
XAMINER	Т	T		7	T DOCUMENTS			T	
NITIAL		DOC	UMENT NUMBER	DATE	NAME	CIA	SS SUB-CLASS	FILING DAT	
	AA.	┼			 				
	AB	┼		-					
	AC	┼		 	 			 	
	AD AE	┼		 	 			 	
	AP			 				 	
	AG	_		 	 			 	
	AH	1		†	 			-	
	AI	 						 	
	AJ				†			 	
	AK			İ				 	
				POREIGN P	ATENT DOCUMENTS		<u></u>	`	
CAMINER VITIAL		DOCT	MENT NUMBER	DATE	COUNTRY	CLA	SS SUB-CLASS	TRANSLATIO	
BJP	AL15	WO S	6/08723 A1	03/21/1996	WIPO			X Y	
	AM15	HO 9	06/10640 A1	04/11/1996	WIPO.			Ye	
_	AN15	WO 9	6/29337 A1	09/26/1996	WIPO	<u> </u>		Ye	
	A015	WO 9	6/32474 A1	10/17/1996	WIPO			Ye N	
<u> </u>	AP15	WO 9	6/35706 Al	11/14/1996	WIPO			Ye N	
	-, ,	01	RER (Including	g Author, Ti	tle, Date, Pertin	ent Pages,	tc.)		
Bod L	AR	61	-Brunette;F-BT. Nucleic Acids	. Teë el., 1 *ti 1 Res. 20:115	pofection does no 1, Oxford Univer	or remière r	he removal of	serum, f	
	AS	61	brecibitstion	at physicio	ne and other amir gical ionic stren rs B.V. (1989)	no compounds ngth, FEBS	prevent chron Lecc. 247:367-	matin J70,	
	T				•				
	AT	61	Buche, A., et Biomol. Struc	al., "Organ E. <i>& Dynam</i> .	ic Osmotic Effect 8:601-618, Adenia	ors and Chrone Press (19)	omacio Structu 90)	re,* J.	

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003
APPLICANT Chu et al.			GROUP 1642	

. .

Page 6 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al EIGHTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER SUB-CLASS FILING DATE * BA AC λD AE AF λG AН AI AJ POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY ÇLASS SUB-CLASS TRANSLATION BJP WO 97/05265 A1 02/13/1997 WIPO No WO 97/09451 A1 03/13/1997 WIPO No Yes AN16 01/28/1998 Europe EP 0 821 059 A2 No Yes A016 WO 98/06736 A1 02/19/1999 WIPO Yes 07/30/1998 WIPO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Buche, A. Tet al., "Effect of Organic Effectors on Chromatin Solubility, DNA-Histone HI Interactions; DNA and Histone H1 Structures," J. Biomol. Struct. & Dynam. 11:95-119, Adenine Press (1991) 62-BOB Cánovas, D., et al., "Osmoprotectants in Halomonas elongata: High-Affinity Betaine Transport System and Choline-Betaine Pathway," J. Bacteriol. 178:7221-7226, American Society for Microbiology (1996) λS <u>62</u> Cánovas, D., et al., "Isolation and Characterization of Salt-sensitive Mutants of the Moderate Halophile Halomonas elongata and Cloning of the Ectoine Synthesis Genes, J. Biol. Chem. 272:25794-25801, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997) AT DATE CONSIDERED /2/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

٠, ٠,٠

				ATTY. DOCKET NO 0942.4650001/RM		APPLICATION 09/438,365	Page 7 of
		FORM PTO-1449		APPLICANT		437,430,303	
II	EI	CHTH SUPPLEMENTAL ON DISCLOSURE STA	Trum.	Chu et al.			
		S. PASEDOSORE SIA	1 EUSWI	FILING DATE November 12, 19	99	GROUP 1635	
			0.S. P	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE				
	AA	JOSEPH HOMBER	DATE	NAME	CLASS	SC3-CLASS	FILING DAT
	AB			+		 	
	AC					 	
	AD					 	
	AE					 	
	AF					 	
	AG					 	
	AH				- · ·	 	
	IA	ļ					
	<u> </u>						
	AK	1					
		T	POREIGN P	ATENT DOCUMENTS			
CAMINER VITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SU3-CLASS	TRANSLATIO
BOD	AL17	WO 98/47912 A1	10/29/1998	MIDO			Ye
	AH17	WO 99/05302 A1	02/04/1999	MISO		-	Ye N
	AV17	WO 99/11809 A1	03/11/1999	WIPO			· Ye:
	A017	WO 99/24559 AZ	05/20/1999	MIBO			Yes
<u></u>	AP17	WO 99/41410 A1	08/19/1999	WIPO -			Yes
		OTHER (Includia		le, Date, Pertine	Dr. Parest and		No
300_	AR	Carninei P	ar al .	ermoscabilization is application fo GGI. USA 95:520-52			hermolabile engch (January
	AS	Chambers, S.T an Osmoprotec American Soci	., et al., "D tame Molecule ety for Micro	imethylthetin Can for Escherichia (biology (1987)	Substitute fo	er Glycine Beeriol. 169:	ecaine as 4845-4847,
	AT .		ining a T7 au	initiating eukaryo tion of bacterioph togene, * Nucleic A			
MINER	4	/				NSIDERED /	

Form PTO-1449					
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003	
APPLICANT Chu et al.			GROUP 1642		

Page 8 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE 1635 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE DOCUMENT NUMBER i AB λC ΑĐ AE AF AG AH AI נג POREIGN PATENT DOCUMENTS EXAMINER INITIAL SUB-CLASS TRANSLATION COUNTRY DOCUMENT NUMBER BJP 09/16/1999 WIPO WO 99/46400 Al AL18 Yes No 10/05/2000 WIPO WO 00/58488 A2 01/18/2001 WIPO WO 00/58488 A3 Yes λO ΑP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Cohen. J.. "Naked DNA Points Way to Vaccines," Science 259:1691-1692, American association for the Advancement of Science (1993) ังล 64 BUD Cotten, M., and Wagner, E., "Non-viral approaches to gene therapy," Curr. Opin. Biologhnol. 4:705-710, Current Biology, Ltd. (1991) λS 64 Deamer, D.W., and Uster, P.S., "Liposome Preparation: Methods and Mechanisms," in *Liposomes*, Marc J. Ostro, ed., Marcel Dekker, Inc., New York, NY, pp.27-51 (1983) AT 64 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

next communication to Applicant.

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/	2003
APPLICANT Chu et al.			! GROUP 1642	

...

Page 9 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE 1635 November 12. U.S. PATENT DOCUMENTS EXAMINER INITIAL SV3-CLASS FILING DATE DOCUMENT NUMBER DATE NAME AA AB AC AD λE AF AG HA 1A λJ AK FOREIGN PATENT DOCUMENTS EXAMINER SUB-CLASS TRANSLATION COUNTRY DOCUMENT NUMBER CATE Yes No Yes No AN Yes No AO Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Dean, N.M., and McKay, R., "Inhibition of protein kinase C-o expression in sice after: systemic administration of phosphorothioate antisense oligodeoxynucleotides." Proc. Natl. Acad. Sci. USA 91:11762-11766, National Academy Press (1994) Bop AR <u>65</u>-Elliot, G., and O'Mare, P., "Intercellular trafficking of V722-GFP fusion proteins." Gene Ther. 6:149-151, Stockton Press (January 1999) AS 65 Feigner, P.L., and Holm, M., "Cationic Liposome-Mediated Transfection," Focus 11:21-25, Life Technologies, Inc. (1989) AT 65 DATE CONSIDERED /2/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

()

Previously Submitted in:

· ;" -

:. |-|-

					ATTY. DOCKET I	NO.	APPLICATION 09/438.36S	NO.	
FORM PTO-1449 <u>EIGHTH SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>					0942.4650001/RWE/THN 09/438,365 APPLICANT Chu et al.				
				FILING DATE November 12, 1	1000	GROUP 1635			
					PATENT DOCUMENTS		1 4444		
XAMINER	7	γ		0.3.	PATENT DOCUMENTS				
NITIAL	1	DOCU	MENT NUMBER	DATE	NAME	CLAS	S SUB-CLASS	FILING DATE	
	AA .						- -	 	
	AB AC				-				
	AD	 		+					
	AE	-						 	
	AF	1							
	AG				_				
	AH	<u> </u>						T	
	AI						1		
	L.J								
	AX								
		•		PORRIG	N PATENT DOCUMENTS				
XAMINER NITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLAS	s SUB-CLASS	TRANSLATIO	
	1	3000						Ye	
	AL.					·		Ye	
	AH.	l						N	
	AN							Ye N	
	AO							. Ye	
	AP		_					Ye	
	1	OT	HER (Includ	ing Author.	Title, Date, Pert	inent Pages, e	tc.)	·	
BJD.	Až ***	66		.L.; and Rh Journals, L	odes, G., "Gene th cd. (1991)	erapeutics.* N		-352,	
	AS	<u>66</u>	Flaman, J- 3260, Oxfo	N., et al., rd Universi	"A rapid PCR fide ty Press (1994)	lity assay, * M	ucleic Acida .	Res. 22:3255	
	AT	56	Flock, S., Precipitat Adenine Pr	ion of DNA	smotic Effectors a by Multivalent Cat	nd DNA Structu ions° J. Bicmo	re: Effect of L. Struct. Dy	Glycine on n. 1J:87-102	
XAMINER	لــــــــــــــــــــــــــــــــــــــ	乙	/			DATE	CONSIDERED	12/23/0	
XAMINER: 1	inicial	it re	ference con	sidered, wh	secher or not citat	ion is in conf	ormance with	MPEP 609.	

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Page 11 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu ec al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE 1999 November 12, 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AΒ AC AD AΕ AF AG AH AI A.J λK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes No Yes AO No Yes No AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Flock, Somet al., ... Dielectric Constant and Ionic Strength Effects on DNA. Precipitation, * . Brophys. J. 70:1456-1465, Biophysical Society (1996) BUP AR Flock, S., et al., "13Na NMR Study of the Effect of Organic Osmolytes on DNA Counterion Atmosphere," Biophys. J. 71:1519-1529, Biophysical Society (1996) AS <u>67</u> Foacking, M.K., and Hofstetter, H., "Powerful and versatile enhancer-promoter unit for mammalian expression vectors," *Gene* 45:101-105, Elsevier Science Publishers B.V. (1986) AT <u>67</u> DATE CONSIDERED 12/23/05 EXAMINER EXAMPLE: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Article of the state of the sta

Page 12 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT .. Chu et al. EIGHTH SUPPLEMENTAL FILING DATE November 12. INFORMATION DISCLOSURE STATEMENT GROUP 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS FILING DATE 24 AB AC AD AE AF AG AH AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY SUB-CLASS TRANSLATION No Yes AM No Yes AN No Yes No No OTHER (Including Author, Title, Date, Pertinent Pages, atc.) BOD Frackman, S., et al., "Betaine and DMSO: Enhancing Agents for PCR." Promega ... Noces 65:27-29, Promega (February 1998) AR ... 68. Fritz, J.D., et al., "Gene Transfer into Mammalian Cells Using Histone-Condensed Plasmid DNA," Hum. Gene Ther. 7:1195-1404, Mary Ann Liebert, Inc. (1996) λS 68 Giles, R.V., "Antisense oligonucleotide technology: From EST to therapeutics," Curr. Opin. Mol. Ther. 2:238-252, PharmaPress, Ltd. (June 2000) AT 68 DATE CONSIDERED 12/23/US EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPSP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.	_	GROUP 1642	

()

 \bigcirc

···-:

FORM PTO-1449			ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICANT		Page 13 of 4 APPLICATION NO. 29/438,365			
	ETC	י עידע:	STIDDI ÈVENTAL		Chu et al.			
EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			FILING DATE November 12.	1999	GROUP 1635			
				V.S. 1	ATENT DOCUMENTS			
XAMINER NITIAL		DO0	UMENT NUMBER	DATE	NAME	CLA	S SUB-CLASS	FILING DAT
	- M	-	·					
	AB	1		1				
	AC			1				
	AD.	↓						
	AE	╀		ļ	<u> </u>			
	AF	4_		<u> </u>				
	AG							
	AH	4—		<u> </u>		11		
	AI	┼—		<u> </u>				
	עע	 		ļ				
	AK			<u> </u>				
		,		PORZIGN	PATENT DOCUMENTS	s		
AMINER IIIIAL		DOC	UMENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS	TRANSLATIO
	AL							Y
	AM		·					Y
	+~-	+-						1
	AN	<u> </u>				1	1	· Y
	AO						-	Y
	1							Ye
	AP	<u> </u>		<u> </u>			_L	<u> </u>
BJA	AR	69	Goldman, C.K.	, et al.,	"In vitro and in maino polymer,"	vivo gene deli	very mediated	i by a
	AS	62	Gorman, C., "High Efficiency Gene Transfer into Mammalian Cells," in DNA Cloning, Vol. II. Glover, D.M., ed., IRL Press, Washington, D.C., pp. 141-190 (1985)					
	AT	69	Gouesbet, G., Osmoprotectan Society for M	t Transport	Characterization er Gene ousa, ° J (1996)	of the Ervinia J. Bacteriol. 1	chrysanthemi 78:447-455, A	merican
1] . [

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

. :-

next communication to Applicant.

garage and the second second

Page 14 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu ec al EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE NAME DOCUMENT NUMBER INITIAL λA .YB. AC AD ÀE λF λG AH λI λJ AK FOREIGN PATENT DOCUMENTS EXAMINER SUB-CLASS TRANSLATION COUNTRY INITIAL DOCUMENT NUMBER DATE No Yes No Yes No Yes No ΑO Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Gubter, U. . and Hoffman; B.J., "A simple and very efficient method for generating cDNA libraries," Gene 25:263-269, Elsevier Science Publishers (1983) B Jp-20 Haensler, J., and Szoka Jr., F.C., *Polyamidoamine Cascade Polymers Mediate Efficient Transfection of Cells in Culture, * Bioconjug. Chem. 4:372-379, American Chemical Society (1993) AS 70 Harrison, G.S., et al., "Optimization of Gene Transfer Using Cationic Lipids in Cell Lines and Primary Numan CD4 and CD34 Hematopoietic Cells," BioTechniques 19:816-823, Zaton Publishing Company (1995) AT. 70 DATE CONSIDERED |23|05 examiner EXAMENER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003
APPLICANT Chu et al.			GROUP 1642	

Page 15 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 applicant Chu et al EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1635 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE NAME INITIAL DOCUMENT NUMBER AΒ λC ΑĐ λE AF AG λН AI λJ AK POREIGN PATENT DOCUMENTS EXAMINER SUB-CLASS DOCUMENT NUMBER DATE COUNTRY No No Yes No AN Yes No AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Harinski, T.A., et al., "Localization and Induced Expression of Pusion Genes in the Rat Lung." AmT J. Respir. Cell Mol. Biol. 4:206-209, American Thoracic Society (1991) BJD. -23-Hengen, P.N., "Optimizing multiplex and LA-PCR with betaine," Trends Blochem. Sci. 22:225-226, Elsevier Science, Ltd. (June 1997) AŞ Henke, W., et al., "Betaine improves the PCR amplification of GC-rich DNA sequences." Nucl. Acids Res. 25:3957-3958, Oxford University Press (October 1997) ΑT <u>71</u> DATE CONSIDERED 12/23/05 EXAMINER EXAMPLE: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

`.

..:

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
ATTIT BOOKET THE		GROUP 1642	
APPLICANT Chu et al.			

Page 16 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438.365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME AA AB. AC מג ΑE AF AG АH AI ΑJ AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL No Yes No Yes AN No Yes No λO OTHER (Including Author, Title, Date, Partinent Pages, etc.) BJP Reywood, S.M., "tcRNA as a naturally occurring ancisense RNA in eukaryotes," ... Nucleic Acids Res. 14:6771-6772, IRL Press (1986) AR . Hogrefe, H., et al., "Novel PCR Enhancing Factor Improves Performance of Pfu DNA Polymerase." Strategies 10:91-96, Stratagene Cloning Systems (August 1997) AS 22 Kolt, C.E., et al., "Lipofection of cDNAs in the Embryonic Vertebrate Central Nervous System," Neuron 4:203-214, Cell Press (1990) AT 72 DATE CONSIDERED 12 EXAMINER 123/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

next communication to Applicant.

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.			GROUP 1642	

Previously Submitted in:

								Page 17 of 42
					ATTY. DOCKET NO. 0942.4650001/RWE/THN		APPLICATION 09/433,365	NO
,			PTO-1449 J <u>PPLEMENTAL</u>	•	APPLICANT Chu ét al.			
INFORMATION DISCLOSURE STATEMENT		FILING DATE November 12, 1999		GROUP 1635				
	~			U.S. PAT	PENT DOCUMENTS			
EXAMINER								
INITIAL	 	DOC	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA .				 	+	 	
	AB	:	· · · · · · · · · · · · · · · · · · ·				 	
	AD.						 	
	AE					 		
	AF							
	AG				·			
	AH	<u> </u>				<u> </u>		
	AI						ļ	ļ
	עע	<u> </u>					ļ	
	AK	<u> </u>		<u> </u>			<u> </u>	
	Υ			POREIGN P.	ATENT DOCUMENTS	1	ή	
EXAMINER INITIAL	ļ	DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL.						ļ	Yes No
	AM							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
		07	HER (Includin	Author, Ti	tle, Date, Pertinent Po	ages, et	:.)	•
BID.	AR	73	Hope, M.J., e Vesicles, Ch Treland, Ltd.	et al., *Gene h <u>ëm: Phys. Li</u> (1986)	ration of Multilamella pids 40/89-107, Elsevi	er Scien	ilamellar Pi cific Public	nospholipid shers
	2A	23	Houssier, C., et al., "Effects of Compensatory Solutes on DNA and Chromatin Structural Organization in Solution," Comp. Biochem. Physiol. 117A:313-318, Elsevier Science, Inc. (July 1997)					
	AT	23	Houts, G.E., et al., "Reverse Transcriptase from Avian Hyeloblastosis Virus," J. Virol. 29:517-522, American Society for Microbiology (1979)					
EXAMINER .	l	万				DATE	CONSIDERED	12/23/05
EXAMINER: I	nitial	if re	ference consider	dered, whether	er or not citation is	in confo	mance with	MPEP 609:

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

. Ç: ..

Page 18 of 42 APPLICATION NO. 09/418,165 ATTY. DOCKET NO. 0942.4650001/RWE/THN FORM PTO-1449 APPLICANT EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL SUB-CLASS FILING DATE DOCUMENT NUMBER AA λB AC AĐ AE AF AH AI AJ. POREIGN PATENT DOCUMENTS EXAMINER INITIAL CLASS SUB-CLASS TRANSLATION COUNTRY DOCUMENT NUMBER No Yes No AN Yes AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Iskobashvili, R., and Lapidot, A., "Low temperature cycled PCR protocol for Klenow fragment of DNA polymerase I in the presence of proline," Nucleic Acids Res. 27:1566-1568, Oxford University Press (March 1999) BJA AŘ... 74 Innis, M.A., "PCR with 7-Deara-2'-Deoxyguanosine Triphosphate," in PCR Protocols: A Guide to Methods and Applications, Innis, M.A., et al., eds., Academic Press, Inc., San Diego, CA, pp.54-59 (1990) λS 74 Instruction Manual for "GeneTrapper" cDNA Positive Selection System, Catalog No. 10356-020, GIBCO BRL, Life Technologies, Gaithersburg, MD, pp.1-26 AT 74 DATE CONSIDERED 12/23/05 EXAMINER EXMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

(ر

. • .*

e spusie e fierus e e e e

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

٠.,٠

· · · ·

APPLICATION NO. 09/418,165 ATTY. DOCKET NO. . . 0942.4650001/RWE/THN FORM PTO-1449 APPLICANT Chu et al EIGHTH SUPPLEMENTAL'
INFORMATION DISCLOSURE STATEMENT GROUP FILING CATE November 12. U.S. PATENT DOCUMENTS EXAMINER -INITIAL DOCUMENT NUMBER CLASS SUB-CLASS FILING DATE NAME AΒ מג AΕ AF AG AH AI AJ AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL CLASS SUB-CLASS TRANSLATION DOCUMENT NUMBER COUNTRY ΑL AM No AN No Yes AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Iyer, R.P., et sl., 'The Automated Synthesis of Sulfur-Containing Oligodeoxyribonucleotides Using 1H-1,2-Benzodithiol-1-one 1,1-Dioxide as a Sulfur-Transfer Reagent, J. J. Org. Chem. 55:4691-4699, American Chemical Society (1990) BJB AR. Tyer, R.P.. et al., "JH-1,2-Benzodithiole-1-one 1,1-Dioxide as an Improved Sulfurizing Reagent in the Solid-Phase Synthesis of Oligodeoxyribonucleoside Phosphorothioates," J. Am. Chem. Soc. 112:1253-1254, American Chemical Society (1990) AS 75 Jakob, R., and Saenger, W., "Reversed-phase ion-pair chromatographic separation of ribulose 1,5-bisphosphate from 1-phosphoglycerate and its application as a new enzyme assay for RuBP carboxylase/oxygenase," FEBS Lett. 183:111-114, Elsevier Science Publishers B.V. (1985) AT EXAMINER DATE CONSIDERED 12/23/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in the state of the sta

Page 20 of 42 APPLICATION NO. ATTY. DOCKET NO. 0942.4650001/RWE/THN 09/438,365 FORM PTO-1449 APPLICANT Chu et al EIGHTM SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATS DATE NAME DOCUMENT NUMBER INITIAL AA. -----AB AC AΦ λE AF AG AH AI AJ AK PORZIGN PATENT DOCUMENTS EXAMINER INITIAL TRANSLATION CLASS SUB-CLASS COUNTRY DOCUMENT NUMBER DATE Yes AL. Yes No AM No Yes No AO Yes No AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Johnstone, A., and Thorpe, R., "Production of antibodies," in Immunochemistry in Practice, Johnstone, K., and Thorpe, R., eds.; Blackwell Scientific Publications, Oxford, Great Britain, pp. 30-47, (1987) BJB AR ... 76 Joung, I., and Engler, J.A., "Mutations in Two Cysteine-Histidine-Rich Clusters in Adenovirus Type 2 DNA Polymerase Affect DNA Binding," J. Virol. 66:5788-5796, American Society for Microbiology (1992) AS 76 Kondakova, N.V., et al., "Effect of Low-molecular Amines on the Conformation and Stability of the Double Helix," Hol. Biol. (Mosk.) 9:742-746, Izdatelstvo AT Nauka (1975) 76 DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449			
	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	•

. . . .

Page 21 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THON APPLICATION NO. 09/418,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER CLASS SUB-CLASS FILING DATE DATE AA AB AC AD AE AF λG AH AI A.J AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes Yes No Yes No Yes AO No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) English Language Translation for Kondakova, N.V., et al., "Effect of Low-molecular Amines on the Conformation and Stability of the Double Relix," Hol.,".
-Biol---(Mosk:) 9:782-746, Izdatelstvo Nauka (1975) (Document AR77) BJD. Notewicz, M.L., et al., "Isolation of cloned Moloney murine leukemia virus reverse transcriptase lacking ribonuclease H activity," Nucleic Acids Res. 16:265-277, IRL Press, Ltd. (1988) AS 27 Landre, P.A., et al., "The use of cosolvents to enhance amplification by the polymerase chain reaction," in PCR Strategies, Innis, M.A., et al., eds., Academic Press, San Diego, CA, pp. 1-16 (1995) AT <u> 77</u> DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

-70.1110	
Form PTO-1449 ATTY DOCKET NO. 61-03A SERIAL NO. 10/629,522	FILING DATE 7/28/2003
ATT DOORET HE ST	GROUP 1642
APPLICANT Chu et al.	

 $\mathcal{D}_{i} = \mathcal{Q}_{i}(\omega) + \mathcal{U}_{i} + \mathcal{U}_{i} + \mathcal{U}_{i} + \mathcal{U}_{i} + \mathcal{U}_{i}$

next communication to Applicant.

Page 22 of 42 APPLICATION NO. ATTY. DOCKET NO. 0942.4650001/RWE/THN 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL FILING DATE November 12, 1999 GROUP INFORMATION DISCLOSURE STATEMENT U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER SUB-CLASS FILING DATE AA. YB. λC AD. λE AF AG ЖA AI AJ AK POREIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION INITIAL DATE Yes No Yes AN No Yes AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) BJP Langel, -U.-- et-el:; "Cell penetrating PNA constructs," J. Neurochem. 69(suppl):S160, Abstract 3, Lippincott-Raven Publishers(July 1997) AR --Lau, Q.C., et al., "Abrogation of c-Raf expression induces apoptosis in tumor cells." Oncogene 16:1899-1902, Stockton Press (April 1998) λS <u>78</u> Lawyer, F.C., et al., "High-level Expression, Purification, and Enzymatic Characterization of Full-Length Thermus aquaticus DNA Polymerase and a Truncated Form Deficient in 5' to 1' Exonuclease Activity, PCR Methods Appl. 2:275-287, Cold Spring Harbor Laboratory Press (1993) AT 78 DATE CONSIDERED /2/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

...

next communication to Applicant.

aku a sha shika ma

Page 23 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu ec al EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER INITIAL NAME CLASS SUB-CLASS FILING DATE AA AB AC AΦ AE AF AG АH AI AJ AK POREIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE COUNTRY SUB-CLASS CLASS TRANSLATION Yes No Yes AH No Yes No Yes AO No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) BJD. Le Rudulier. D. et al., "Molscular Biology of Osmoregulation," Science 226:1064-1068, American Association for the Advancement of Science (1984) AR. -39 ---Li, C.-J., et al., "Nonprotein amino acids from seeds of Cycas circinalis and Phaseolus vulgaris," Phytochemistry 42:441-445, Pergamon Press (1996) AS <u>79</u> 1995-96 GIBCO/BRL Product Catalogue and Reference Guide, pp. 19-10 and 19-12, Life Technologies, Inc. (1995) AT 79 EXAMINER DATE CONSIDERED 12 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

Ĺ

Page 24 of 42 APPLICATION NO. ATTY. DOCKET NO. 0942.4650001/RWE/THN 09/438,365 FORM PTO-1449 APPLICANT Chu ec al. EIGHTH SUPPLEMENTAL FILING DATE INFORMATION DISCLOSURE STATEMENT November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE DOCUMENT NUMBER NAME INITIAL AA פג AC AD. AΕ AF AG AH AI A.J AK POREIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER CLASS SUB-CLASS TRANSLATION DATE COUNTRY INITIAL No No Yes No Yes No λO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Liu, X., et al., 'Hypoglycemia-induced c-Jun Phosphorylation Is Mediated by C-Jun N-terminal Kinase: I and Lyn Kinase in Drug-resistant Ruman Breast Carcinoma MCP-7/ADR Cells," J. Biol. Chem. 272:11690-11693, The American Society for Biochemistry and Molecular Biology, Inc. (May 1997) BJA አጽ…-Malin, G., and Lapidot, A., "Induction of Synthesis of Tetrahydropyrimidine Derivatives in Streptomyces Strains and Their Effect on Escherichia coli in Response to Osmotic and Heat Stress," J. Bacteriol. 178:385-395, American Society for Microbiology (1996) λS 80 Maniatis, T., et al., "The Isolation of Structural Genes from Libraries of Eucaryotic DNA." Cell 15:687-701, MIT Press (1978) AT 80 DATE CONSIDERED /2 EXAMINER 123/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003
APPLICANT Chu et al.			GROUP 1642	

BASKADSSA SELEKTRA

next communication to Applicant.

Page 25 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu ec al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER CLASS SUB-CLASS DATE NAME FILING DATE W AB. AC AD AE AF AG AH AI L. XX. POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS No Yes AM No Yes AN No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Marquet; R: and Houssier; C.; "Thermodynamics of Cation-Induced DNA Condensation," J. Biomod. Struct. 4 Dynam. 9:159-167, Adenine Press (1991) BUD AR BL Mixuno, T., et al., "A unique mechanism regulating gene expression: . Translational inhibition by a complementary RNA transcript (aicRNA)," Proc. Natl. Acad. Sci. USA 81:1966-1970, National Academy Press (1984) AS 81 Monia, B.P., et al., "Sequence-specific antitumor activity of a phosphorothicate oligodeoxyribonucleotide targeted to human C-raf kinase supports an antisense mechanism of action in vivo," Proc. Natl. Acad. Sci. USA 93:15481-15484, National Academy Press (1996) AT 81 DATE CONSIDERED 12/23/05 Examiner EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		·
	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

ATTY: DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 GROUP 1535 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER CLASS SUB-CLASS FILING DATE EMAN AA AB AC AD AE AF AG ΑН AΙ A.J AK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER CLASS SUB-CLASS TRANSLATION Yes No No Yes AN No Yes AP Мо OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Murphy, A.L., and Murphy, S.J., "Catch V722: the hitch-hiker's ride to gene therapy?": Gene.Ther..6:4-5, Nature Publishing Group (January 1999) AR ... BJE 82 Mytelka, D.S., and Chamberlin, M.J., "Analysis and suppression of ONA polymerase pauses associated with a trinucleotide consensus." Nucleic Acids Res. 24:2774-2781, Oxford University Press (1996) AS 82 McCluskie, H.J., et al., 'Direct Gene Transfer to the Respiratory Tract of Mice with Pure Plasmid and Lipid-Formulated DNA,' Antisense Mucleic Acid Drug Dev. 8:401-414, Mary Ann Liebert, Inc. (October 1998) AT 82 DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449	•	
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

galagis algebra in transfel D. C. Land a Salar Salar Salar

Page 27 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL CLASS SUB-CLASS_ FILING DATE DOCUMENT NUMBER DATE NAME AA A.B AC מג AΕ AF AG ΑН AI AJ AK POREIGN PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS TRANSLATION DOCUMENT NUMBER COUNTRY INITIAL DATE No Yes No MA Yes AN Yes AO No No OTHER (Including Author, Title, Date, Pertinent Pages, Nabel, G.J., et al., "Direct gene transfer-for treatment of human cancer," Ann. MY Acad. Sci. 772:227-231, New York Academy of Sciences (1995) BJB AR . 83 Nabel, G.J., et al., "Immune responses in human melanoma after transfer of an allogeneic class I major histocompatibility complex gene with DNA-liposoma complexes. Proc. Nacl. Acad. Sci. USA 9J:15388-15393, Nacional Academy Press AS 83 (1996) Neckers, L.M., "Cellular Internalization of Oligodeoxynucleotides," in Ancisense Research and Applications, Crooke, S.T. and Lebleu, B., eds., CRC Press, Inc., Boca Ratón, FL, pp.451-460 (1993) AT 83 DATE CONSIDERED /2 EXAMINER /23/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPÉP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449			
	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.	•	GROUP 1642	

Page 28 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1635 November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AB . AC ΑĐ AE AF AG AH AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER CLASS SUB-CLASS TRANSLATION Yes No No Yes No AN Yes No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Neurath, A.R. et al., "B cell epitope mapping of human immunodeficiency virus envelope glycoproceins with long (19- to 16-residue) synthetic peptides," J. Gen. Virol. 71:85-95, Society for General Microbiology (1990) BJb AR--84 Niidome, T., et al., "Binding of Cationic α-Helical Peptides to Plasmid DNA and Their Gene Transfer Abilities into Cells," J. Biol. Chem. 272:15307-15312, The AS 84 American Society for Biochemistry and Holecular Biology, Inc. (June 1997) Okayama, H., and Berg, P., "High-Efficiency Cloning of Pull-Length cDNA," Mol. Cell. Biol. 2:161-170, American Society for Microbiology (1982) AΤ 84 DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

Page 29 of 42 ATTY. DOCKET NO. 0942.4650001/RME/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT . . . Chu et al. EIGHTH SUPPLEMENTAL FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER NAME SUB-CLASS FILING DATE CLASS INITIAL DOCUMENT NUMBER DATE AA AB λC AD AE AF λG НA AI AJ AK POREIGN PATENT DOCUMENTS examiner SUB-CLASS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS INITIAL No AL Yes No MA Yes No AN Yes No AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Panaccio, M., et al., "Folt PCR: A Simple PCR Protocol for Amplifying DNA Directly from Whole Blood," BioTechniques 14:238-243, Eaton Publishing Company 13 J# 85 {1993} Paterson, B.M., et al., "Structural gene identification and mapping by DNA-mRNA hybrid-arrested cell-free translation, "Proc. Natl. Acad. Sci. USA 74:4370-A\$ 4374, Nacional Academy Press (1977) <u>85</u> Polesky, A.H.. et al., "Identification of Residues Critical for the Polymerase Activity of the Klenow Pragment of DNA Polymerase I from Escherichia coli," J. Biol. Chem. 265:14579-14591, The American Society for Biochemistry and AT Molecular Biology, Inc. (1990) DATE CONSIDERED 12/23/05 EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

Page 10 of 42 APPLICATION NO. ATTY. DOCKET NO. 0942.4650001/RWE/THM FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER MAME INITIAL DOCUMENT NUMBER * BA λC ΑĐ AE AF λG AH AI λJ AK PORZIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER COUNTRY INITIAL Yes No AL Yes No Yes No AN Yes No AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) BIP Prochiantz, A.,.. Getting hydrophilic compounds into cells; lessons from homeopeptides, Curr. Opin. Neurobiol. 6:629-634, Current Biology, Ltd. (1996) <u>-86-</u>-Prochiants, A., "Peptide nucleic acid smugglers," Nat. Biotechnol. 16:819-820, Nature America Publishing (September 1998) A\$ 86 Rafferty, J.A., and Fletcher, H.L., "Sequence analysis of a family of highly repeated DNA units in Stauroderus scalaris (Orthoptera)" Intl. J. Genome Res. 1:1-16, World Scientific Publishing Company (1992) AT 86 DATE CONSIDERED /2 EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003
APPLICANT Chu et al.			GROUP 1642	

and another the sales at the more than it is

next communication to Applicant.

Previously Submitted in:

Page 31 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT CROUP FILING DATE November 12. U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE DOCUMENT NUMBER NAME INITIAL AA λB AC AD. AE AP λĢ AH AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER CLASS | SUB-CLASS | TRANSLATION INITIAL DOCUMENT NUMBER COUNTRY Yes No AL Yes AM No Yes No AN Yes No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Rajendrakumar, C.S.V., et al., "DNA helix destabilization by proline and betaine: possible role in the salinity tolerance process." FEBS Lett. 610:201-BJB AR--<u>8.7</u>.-205, Elsevier Science B.V. (June 1997) Randall, K., et al., "Accumulation of natural and synthetic becaines by a AS mammalian renal cell line, Blochem. Cell Biol. 74:283-287, National Research 87 Council of Canada (1996) Randall, K., et al., "Natural and synthetic betaines counter the effects of high NaCl and urea concentrations," Biochim. Biophys. Acca 1291:189-194, AT 87 Elsevier Science B.V. (1996) DATE CONSIDERED 12/23/05 EXAMINER EXAMINEE: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449	•	
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	4	GROUP 1642

7age 32 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438.365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1635 November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS INITIAL DOCUMENT NUMBER DATE HAME FILING DATE AA AB AC AD AΕ AF AG AН AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER -SUB-CLASS TRANSLATION DOCUMENT NUMBER COUNTRY CLASS INITIAL Yes Yes No AM Yes No AN Yes No AO Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Rees, W.A., et al., "Betaine Can Eliminate the Base Pair Composition Dependence-of DNA: McIsing; "Biochemistry 32:137-144, American Chemical Society (1993) BJb AR ... Rothenberg, M., et al., "Oligodeoxynucleotides as Anti-Sense Inhibitors of Gene Expression: Therapeutic Implications," J. Natl. Cancer Inst. 81:1539-1544, AS <u>8 0</u> Oxford University Press (1989) Saiki, R.K., et al., "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," Science 239:487-491, American Association for the Advancement of Science (1988) AT 88 DATE CONSIDERED 12/23/05 EXAMINER EXAMINEE: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

÷.;-

next communication to Applicant.

Page 33 of 42 APPLICATION NO. 09/438.365 ATTY. DOCKET NO. 0942.4650001/RWE/TEN FORM PTO-1449 APPLICANT Chu ec al. EIGHTH SUPPLEMENTAL' INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 GROU? U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER NAME CLASS SVB-CLASS FILING DATE INITIAL AA .УЗ AC λE AF AG Ж AI λJ AK FOREIGN PATENT DOCUMENTS examiner COUNTRY CLASS SUB-CLASS DOCUMENT NUMBER DATE TRANSLATION INITIAL Yes м No Yes Yes AO No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Shepard: A.R.; and Rae; J:U.; "Magnetic bead capture of cDNAs from double-stranded plasmid cDNA libraries," Nucleic Acids Res. 25:3183-3185, Oxford 800 AR -----92 University Press (August 1997) Bioactive Peptides, 1993 Sigma Chemical Company Catalogue, St. Louis, MO, pp. 1028-1034, Sigma Chemical Company (1993) AS 89 Soltis, D.A., and Skalka, A.M., "The o and \$ chains of avian retrovirus reverse transcriptase independently expressed in Escherichie coll: Characterization of enzymatic activities, Proc. Natl. Acad. Sci. USA 85:3372-3376, National AT Academy Press (1988) DATE CONSIDERED 12 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

6.

Page 34 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS INITIAL DOCUMENT NUMBER DATE NAME AB AC AD AE AF λG AR AI AJ AK POREIGN PATENT DOCUMENTS EXAMINER SUB-CLASS INITIAL DOCUMENT NUMBER Yes No Yes Yes No Yes No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stopeck, A.T., et al., "Phase I Study of Direct Gene Transfer of an Allogeneic Histocompacibility Antigén, HLA"B7, in Patients With Metastatic Melanoma, " J. Clin. Oncol. 15:341-349, American Society of Clinical Oncology (January 1997) BJb. AR. --90 --Szoka Jr., F., and Papahadjopoulos, D., "Comparative properties and methods of preparation of lipid vesicles (liposomes)," Annu. Rev. Biophys. Bioeng. 9:467-A\$ 90 508, Annual Reviews, Inc. (1980) Tang, D-c., et al., "Genetic immunization is a simple method for eliciting an AΤ immune response," Nature 356:152-154, Nature Publishing Group (1992) DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPSP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT: Chu et al.		GROUP 1642

Previously Submitted in the state of the sta

Page 35 of 42 APPLICATION NO. 09/438,365 ATTY. DOCKET NO. 0942.4650001/RWE/THN FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER энхи CLASS SUB-CLASS DOCUMENT NUMBER DATE INITIAL AA AB AC ΑĎ AE AF AG AΗ AI A.J AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL No Yes AM No Yes No AN Yes No AO Yes ΔĐ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Thompson, L., "A. Shot, in the Arm for Vaccine Problems," Washington Post, p. A03 (June 7, 1993) BJB AR -- |-91 --Uhlmann, E., and Peyman, A., "Antisense Oligonucleotides: A New Therapeutic Principle, Chem. Rev. 90:544-584, American Chemical Society (1990). AS 21 Ulmer, J.B., et al., "Heterologous Protection Against Influenza by Injection of DNA Encoding a Viral Protein," Science 259:1745-1749, American Association for the Advancement of Science [1993] AT 21 DATE CONSIDERED | 2 EXAMINER 123/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

0

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003
APPLICANT Chu et al.	6		GROUP 1642	

							γ.		age 16 of G
					ATTY. DOCKET 0942.4650001/			37LICATION 3/438,365	NO.
			TO-1449		APPLICANT Chu ec al.				
INFO			PPLEMENTAL CLOSURE STATE	TAR	FILING DATE			2007 615	
					November 12.				
	Т			U.S.	PATENT DOCUMENTS			r	
EXAMINER INITIAL		DOCA	MENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA.								L
	AB	1						<u> </u>	
	AC				,				
	ND_			ļ <u>.</u>					<u> </u>
	AE	ļ		 					
	AF	╄		ļ				 	
•	AG							<u> </u>	
	AH AT	╁─		 	+				
	AI AJ	+-							
	AX	+							
	1 20			POREIGI	PATENT DOCUMENT	rs		 	
EXAMINER	T			· ·					
NITIAL		DOCU	MENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATIO
	AL			1					N
	+~-	╁		 					Ye
	AM							ļ	N
		1							Ye
	AN	+.		 				 	Ye
	AO			<u> </u>					М
		T				1			Ye N
	AP			<u> </u>				<u> </u>	
	T	0	IBZR (Includi:	g Author,	Title, Date, Per	rtinent Page	etc		
BJA	AR ···	23	Urdea, H.S., Nature Publi	. *Branched shing Comp	DNA Signal Ampl Dany (1994)	ification, *	. Bio/1	echnology 1	2:926-928,
	AS	22	van der Krol Complementa: Company (198	ry RNA or I	: el., "Modulatio NA Sequences," E	on of Eukary BioTechnique	otic 6:95	ene Express 8-976, Eaco	ion by n Publishing
	AT	92	enecificity	of PCS amy	nner, D.M., *Dena plification of a p 140:1-5, Elsevi	G-C-rich DN	la usir	iq qenetical	e the ly engineer
EXAMINER	1/1	'	7				DATE	CONSIDERED	12/23/0
		Υ							
Draw line t	hrough	citat	eference cons ion if not in pplicant.	idered, wh	echer or not cit	acion is in dered. Inc	confo	rmance with opy of this	form with

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in a data of the contract
Page 37 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THM APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1635 November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER CLASS SUB-CLASS FILING DATE NAME * AB λC AD AE AF AG AH AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No AΜ No Yes AN No Yes AO No Ýes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Voytik-Harbin, S.L., et al., "Identification of Extractable Growth Factors From Small Intestinal Submucosa," J. Cell. Biochem. 67:478-491, Wiley-Liss, Inc. BJD AR ' 23 (December 1997) Wagner, E., et al., "Transferrin-polycation-DNA complexes: The effect of polycations on the structure of the complex and DNA delivery to cells," Proc. AS 22 Nacl. Acad. Sci. USA 88:4255-4259, National Academy Press (1991) Wang, B., et al., *Gene inoculation generates immune responses against human AT immunodeficiency virus type 1," Proc. Natl. Acad. Sci. USA 90:4156-4160, National Academy Press (1991) 23 EXAMINER DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

 \bigcirc

Previously Submitted in:

Page 38 of 42

					ATTY. DOCKET 0942.4650001	NO. /RWE/THIN		APPLICATION 09/438,365	Page 38 OF 42 NO.
		FORM F	TO-1449		APPLICANT				
TVE	ELG	HTH SU	PPLEMENTAL	MENT	Chu et al.		10	GROUP	
INFORMATION DISCLOSURE STATEMENT					November 12, 1999 1635				
				U.S. P	ATENT DOCUMENTS		т	· · · · · ·	
EXAMINER INITIAL	╽	DOCU	MENT NUMBER	DATE	NAME_		CLASS	SUB-CLASS	FILING DATE
	<u> </u>	↓		ļ					
	AB	┼		<u> </u>					
	AC AD	+		 				†	
	AE	 							
	AF	1							
	AG							<u> </u>	
	AH			ļ <u> </u>			ļ .		
	AI	ļ		 			├	<u> </u>	
) AJ			 			├		
	AK			PORVICE	PATENT DOCTORES	79	<u> </u>	<u>t</u>	<u> </u>
EXAMINER	T	T		POREIGN	PRIENT BOCSMEN				
INITIAL		DOCT	MENT NUMBER	DATE	COUNTRY		CIASS	SUB-CLASS	TRANSLATIO
	AL.				·				Ye N
	<u> </u>	T							Ye
	AH	╀-		 	- 			 	Ye
	AN	1	•	<u> </u>					N
	AO								,Ye
									Ye . N
	AZ	<u> </u>		<u> </u>	Title, Date, Pe			<u> </u>	
BJB	AR	24	Amplification	n and Avoid	i tanchbury, J.S iing Palse Negat blishing Company	ives in PC ((1996)	R Typir	Controlling	niques
	AS	24			rification of a			Export of 7	roceins from
	AT.	24	and c-myc pr pentadecaded	otein expre	"Human promye ession are inhib de targeted agai nnal Academy Pre	oited by ar inst c-myc	. ancise	nse	

Form PTO-1449			•
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		GROUP 1642	

Page 39 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/TRN APPLICATION NO. 09/438.365 FORM PTO-1449 APPLICANT Chu et al EIGHTH SUPPLEMENTAL .
INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER CLASS SUB-CLASS FILING DATE INITIAL DATE MAME AA AB. AC ND. λE AF λG АH AI M AX PORZIGN PATENT DOCUMENTS EXAMINER SUB-CLASS TRANSLATION INITIAL DOCUMENT NUMBER DATE CLASS COUNTRY Yes Yes AM No Ye s No Yes a٥ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Wickstrom, E., er al., "Down-Regulation of c-MYC Antigen Expression in Lymphocytes of Eu.c.myc Transgenic Mice Treated with Anti-c.myc DNA Methylphosphonates," Cancer Res. 52:6741-6745, American Association for Cancer BOD .<u>95</u> . Research (1992) Woodford, K., et al., "The Use of K"-free buffers eliminates a common cause of premature chain termination in PCR and PCR sequencing," Nucleic Acids Res. 23:539, Oxford University Press (1995) λS Zaitsev, S.V., et al., "R1 and RHG17 extracted from calf thymus nuclei are efficient DNA carriers in gene transfer," Gene Ther. 4:586-592, Stockton Press AT 25 (June 1997) DATE CONSIDERED 12/23/05 EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al		GROUP 1642	

(

Page 40 of 42 APPLICATION NO. 09/438,365 ATTY. DOCKET NO. 0942.4650001/RWE/THN FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT GROUP 1635 FILING DATE November 12. U.S. PATENT DOCUMENTS EXAMINER SUB-CLASS FILING DATE CLASS DOCUMENT NUMBER NAME AA λB λC ND. AE λF AG AH AI W POREIGN PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS TRANSLATION COUNTRY DOCUMENT NUMBER INITIAL Yes No Yes No λм Yes No Yes No AO Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) "Woyager" - The Power of Franslocation, "Expressions 6:6, Life Technologies," BUP Inc. (February 1999) 96 Dialog File 351, Accession No. 8899481, Derwent WPI English language abstract AS for WO 93/08130 Al (Document AO12) Dialog File 351, Accession No. 10428036, Derwent WPI English language abstract for DE 44 11 588 C1 (Document AN14) AT 96 DATE CONSIDERED /2/23/05 EXAMINER

EXAMPLE: Initial if reference considered, whether or not citation is in comformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449	
ATTY DOCKET NO. 51-03A SERIAL NO. 1	0/629.522 FILING DATE 7/28/2003
ATT BOOKET TO	GROUP 1642
APPLICANT Chu et al.	

Page 41 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 . APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 1635 U.S. PATENT DOCUMENTS SYAMINES CLASS SUB-CLASS FILING DATE NAME DOCUMENT NUMBER DATE INITIAL AA AB λC AD. AΕ AF λG AH AI AJ AK POREIGN PATENT DOCUMENTS RYAMINER SUB-CLASS TRANSLATION COUNTRY CLASS INITIAL DOCUMENT NUMBER No Yes Yes No AN Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Dialog File 151, Accession No. 10524091, Derwant WPI English language abstract BOD AR 27 for DE 44 11 594 C1 (Document AP14) Dialog File 351. Accession No. 10655226, Derwent MPI English language abstract for WO 96/08723 Al (Document ALIS) AS 97 Copy of co-pending U.S. Patent Application No. 09/266,935, filed March 12. 1999, inventors Li et al. (NOT PUBLISHED) AT. 27 DATE CONSIDERED 12/23/05 EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.			GROUP 1642	

Page 42 of 42 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, CROUP U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE INITIAL DOCUMENT NUMBER AA AB ΑC AD ΑE AF AG λН AI λJ AK FOREIGN PATENT DOCUMENTS EXAMINER TRANSLATION INITIAL DOCUMENT NUMBER COUNTRY SUB-CLASS Yes No No Yes No AN Yes No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Copy of co-pending U.S. application 09/570,526, filed May 12, 2000, inventors Astacke et al. (NOT PUBLISHED) BJb AR 98 Copy.of co-pending U.S. application 09/608,066, filed June 30, 2000, inventors Astacke et al. (NOT PUBLISHED) AS 20 AT EXAMINER DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if mot in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449	
ATTY DOCKET NO. 61-03A SE	RIAL NO. 10/629,522 FILING DATE 7/28/2003
APPLICANT Chu et al.	GROUP 1642

Availage and and facilities of the second of the second of the property of the second
6...

: :

					ATTY. DOCKET NO. 0942.4650001/RWE/	DOL	APPLICATION	Page 1 of
	FORM PTO-1449 SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			APPLICANT				
TA				Chu et al.				
				FILING DATE November 12, 1999		GROUP 1635		
				U.S. PA	TENT DOCUMENTS			
EXAMINER INITIAL		∞	CUMENT NUMBER	DATE	NAME	CLASS	617 61 100	
	AA			1		CLASS	SUB-CLASS	FILING DA
	. AB						 	
	AC	4						
	AD							
	AE	+-	·	ļ				
	AF	+-		 				
	AG AH	+-		<u> </u>	<u> </u>			
	AI	+			 		 	
	AJ	+		 			 	<u> </u>
	AK	1			 			ļ
				FOREIGN P	ATENT BOCUMENTS		<u> </u>	L
AMINER							T	<u> </u>
ITIAL		1000	THENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATI
	AL							Y
	АМ							Y
BJP	ANI	AU	150,967	02/07/1952	Australia			Y
	AO3	GB	892,413		Great Britain			Ye
1	AP3	EP	0 187 702 B1	07/16/1986				Y
	1-1-1	_			le, Date, Percinent	ليحلب		<u> </u>
	AR			Til to ye				
	AS							•
ВЪ	AT	₫ ·			Honoadduct forming p tation, * Chemical Ab . Society (1989)	hotochemical stracts 111	reagents f	or labelin
	. 1		l					

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in: 11 to 12 to

(::,

÷ :.

Page 2 of 52 ATTY. DOCKET NO. APPLICATION NO. 09/438,365 0942.4650001/RWE/THN FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1999 November 12, U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS w AB λC æ λE λF AG AR IA A.J FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION BJO WO 87/02061 A1 04/09/1987 WIPO No WO 90/09786 A1 09/07/1990 WIPO No Yes EP 0 304 111 B1 10/16/1991 Europe No Yes **AO4** WO 91/04668 A1 04/18/1991 Yes OTEER (Including Author, Title, Date, Pertinent Pages, etc.) Aumsilley, M., Met aFM, "Cell-Attachment Properties of Collagen Type VI and Arg-Gly-Asp Dependent Binding to its o2(VI) and o3(VI) Chains, Exp. Cell Res. 181:463-474, Academic Press, Inc. (1989) BJb AR 2 Barrhel, F., et al., "Laboratory Methods: Gene Transfer Optimization with Lipospermine-Coated DNA," DNA Cell Biol. 12:553-560, Mary Ann Liebert, Inc. (1993) A.S 7 Behr, J-P.. *Synthetic Gene-Transfer Vectors,* Acc. Chem. Res. 26:274-278, American Chemical Society (1993) AT 2 EXAMINER DATE CONSIDERED 12/23/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449	······································	
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

ç

			FOP	M PTO-1469		ATTY. DOCKET 0942.4650001/			APPLICATION 09/438,365	Page 3 of
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				APPLICANT Chu et al.						
EYAM	INER	—	_		U.S. P	ATENT DOCUMENTS				
INIT			DC	CUMENT NUMBER	DATE	NAME .		6,,,,,	SUB-CLASS	
		, AA						CENSS	SOB-CIASS	FILING DA
		AB							† 	
		AC			 					
		AD AE	- -		 	ļ				
		AP	+-		 	 		·		
		AG	7-		 	 				
		AH	\perp			 		 	 	
		AI	\bot							
		A.J	-1							
		AK			1					
EXAMI	NER	T-	Τ-	·	PORRIGH P	ATENT DOCUMENTS				
ITIKI	AL		200	CUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATIO
13	JP	ALS	WO	91/08191 21	06/13/1991	WIPO		1		Ye
		AMS	WO	91/07947 AL	06/13/1991	WIPO			- *	Ye
		AN5	DD	290 877 AS	06/13/1991	Germany	. ,			Ye X N
		AO5	WO	91/15501 Al	10/17/1991	WIPO				Ye N
	<u> </u>	AP5		91/16024 A1	10/31/1991	MIBO				Ye
				THER (Includin	g Author, Tie	le, Date, Perti	nent Page	s, etc.)	
Bo) b	AR	<u>8</u>	Bielinska, A.	et al. "R	egulation of in ense expression c Acids Ros. 24:	vicro ge	ne expr	ession using	ancisense Starburst y Press
		AS	8			clear translocates unfolding, - A	ion of an	exoger		protein
+				Publishers (1			- 			••
1		AT	8	Braunlin, W.E. DNA, Bioploy	., ec al., 'E mers 21:1301-	quilibrium Dial) 1314, John Wiley	/sis Stud / £ Sons,	ies of Inc. (Polyamine B: 1982)	inding to
AMINE			/ 〉						SIDERED	1/23/05
MINE	R: In	itial	if re	ference consid	ered, wheches	or not citation d not considered	n is in	on form		
41	CILL	~wy¤ ¢	atati	on if not in c	onformance	d ann/-			MP	TV/.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

and the reservoir will be a section to the Previously Submitted into American Agreement

i:.-

Page 4 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu ec al SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME SUE-CLASS FILING DATE AB. AC AD. AE λF AG AH AI J.J AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION BOD WO 92/13570 AZ 08/20/1992 WIPO No Yes 12/10/1992 AM6 WIPO No AN 6 Europe No Yes 12/23/1992 WIPO No Yes WO 93/05162 A1 03/18/1993 WIPO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Budker.(V.) et.el: Protein/Amphipathic Polyamine Complexes Enable Highly Efficient Transfection with Minimal Toxicity. Biotechniques 23:139-147, Eaton Publishing Company (July 1997) BOD 2 Caminati, G., et al., "Photophysical Investigation of Starburst Dendrimers and 2 Their Interactions with Anionic and Cationic Surfactants, J. Am. Chem. Soc. 112:8515-8522, American Chemical Society (1990) Carrasco, L., "Modification of Membrane Permeability Induced by Animal Viruses Early in Infection," Virology 113:623-629, Academic Press, Inc. (1981) AT 2 DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

-
IG DATE 7/28/2003
OUP 1642

					ATTY. DOCKET NO. 0942.4650001/RWE/	TION	APPLICATION 09/438,365	Page 5 of 9	
		PORM	PTO-1449		APPLICANT				
7.	SET	ENTH	SUPPLEMENTAL		Chu et al. FILING DATE GROUP November 12, 1999 1635				
A.C	TVVA	OR D.	SCLOSURE STATE	MENI					
				U.S. PA	TENT DOCUMENTS				
EXAMINER INITIAL		DOG	CUMENT NUMBER	DATE	NOME				
	AA	1		1	ioris	CLASS	22ALD-EU2	FILING DAT	
	AB	1							
	AC				T				
	AD						 	 	
	AE								
	AF		·						
	AG								
	AH								
	AI			ļ					
	, AJ	+	·						
	λX			<u></u>	<u> </u>		1		
XAMINER			······································	PORRIGH P	ATENT DOCUMENTS		, 	,	
NITIAL		DOC	UMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
BOD	AL7	w ₀	93/07282 A1	04/15/1993		\	302102033	Ye	
1	1	1	337 U.I.U.I. XI	04/13/1393	RI50	-+		X No	
	AH7	HO	93/07283 A1	04/15/1993	HIPO			Yes X No	
·	AN7	AU-	B-26526/92	05/03/1993	Augtralia			Yes No	
	A07	ED	0 544 292 A2	06/02/1993				Yes	
				06/02/1993	rurose			X No	
<u>+</u>	AP7		93/19768 A1	10/14/1993	<u> </u>			No	
		0	THER (Including	Author, Ti	tle, Date, Pertinent	Pages, etc	:.)		
100	AR	10	Carrasco, L., Vaccinia Viru	and Esteban s-Infected C	M., *Modification ells,* Virology 117	of Membran :62-69, Aca	è Permeabili demic Press;	ty' in' ''' . Inc. (1982)	
	AS	70	and limotecra	mine" second	ationic liposome-med cleic acid delivery: ts." FASEB J. 7:AllI perimental Biology (with lipof	fection of		
	AT	10	Ciccarone, V. and for RNA t	, et al., "Di	MRIE-C reagent for t	ransfection ife Technol	of suspensi	on cells (1995)	
AMINER	$\frac{1}{\sqrt{2}}$					DATE C	ONSIDERED /		
	17						OBSTURKED /	2/23/05	

.

		()
Form PTO-1449		
	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	:	GROUP 1642

								Page 6 of	
		FOR	C PTO-1449		ATTY. DOCKET NO. 0942.4650001/RWE/THN		APPLICATION 09/438,365		
	SE		SUPPLEMENTAL		APPLICANT Chu et al.				
и	FORMAT	ION D	ISCLOSURE STATE	MENT .	FILING DATE November 12, 1999		GROUP 1635		
				U.S. 91	TENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DAT	
	AA					1	300 - 00033	FILING DA	
	AB	_				1			
	AC					1	<u> </u>	i	
	ND.					T		 	
	AE								
	AF	+-		<u> </u>					
	AG			<u> </u>	· ·				
	AH								
	AI								
	ᄺ								
	AK			<u> </u>					
				POREIGN P	ATENT DOCUMENTS				
XAMINER NITIAL		D000	TUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO	
BJP	AL8	но	94/04696 A1	03/03/1994	WIPO			Ye N	
	AM8	но	94/05624 A1	03/17/1994	WIPO			Ye M	
	ANS	WO	94/23751 A1	10/27/1994	WIPO .			Yes X No	
	AOB	но	95/02397 AL	01/26/1995	MIBO			Yes No	
<u> </u>	AP8		95/21259 A1	08/10/1995	WIPO		\	Yes · No	
	_	٥	THER (Including	Author, Ti	le, Date, Pertinent Pag	es, etc.	.)		
826	AR	11	Citovsky; V., Plant Cells, of Science (1		clear Localization of A :1802-1805, American Asi	grobecte Bociatio	rium VirE2-1 n for the Ad	Protein_in Vancement	
	AS .	11	cransfected Di	MA OF modula	sferrin-polycation-media mulation by agents that to transferrin receptor tional Academy Press (15	Affect			
	AT	11	defective or o	Cotten, M., et al., "Righ-efficiency receptor-mediated delivery of small and large (48 kilobase gene constructs using the endosome-disruption activity of defective or chemically inactivated adenovirus particles," Proc. Natl. Acad. Sci. USA 89:6094-6098, National Academy Press (1992)					
AMINER	N							2/23/05	
MINER: In	icial cough c	if re itati	ference consider on if not in conplicant.	ered, whether	r or not citation is in nd not considered. Incl	conform	ance with MS		

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in the state of the second sec

....

			M PTO-1449		Page 7 of 1 ATTY. DOCKET NO. 0942.4650001/RWE/THON 09/418.165 APPLICANT Chu et al.				
I	<u>SE</u> NFORMAT	ION D	SUPPLEMENTAL ISCLOSURE STAT	EMENT	FILING DATE November 12, 1999		GROUP		
				U.S. P	ATENT DOCUMENTS		1635		
COMINER							7	T	
INITIAL	- L	100	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DAT	
	AB	+		 				<u> </u>	
·	AC	+		 				 	
	AD	_		 				 	
	AE						 	<u> </u>	
	AF						 	 	
	· AG						 	 	
	AH	4						 	
	AI	+-							
	AJ	+							
	AX				<u> </u>				
CAMINER	\neg	Т		POREIGN F	ATENT DOCUMENTS		,		
VITIAL		DOG	UMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
BOO	AL9	WO	95/24221 A1	09/14/1995	WIPO	1	100 000	Ye	
	ди 9	WO	95/31557 A1	11/23/1995	MIBO			Yes	
	ANS	WO	96/01841 A1	01/25/1996	HIPO			Yes	
	AO9	NO	96/10038 A1	04/04/1996	WIPO			Yes	
<u> </u>	AP9	МО	96/05218 A1	02/22/1996	WIPO			Yes	
		۰	THER (Including	Author, Ti	le, Date, Pertir	Sent Pages, atc	.)	- AC	
370	AR	12			enoyirus enhance Proc: Nati: Acad		erin-polyly: 856-8854;-N	sine- acional	
	AS	12	Curiel D.T	et al., "His	ph-Efficiency Ger Complexes, " Hum		iated by Ade 147-154, Har	novirus y Ann	
	AT .	12	Curiel, D.T., Receptor-media 252, American		e Transfer to Resis Pathway, An	spiratory Epit)	nelial Cells	via the 1. 6:247-	
MINER	<u> </u>	\nearrow				DATE OF	NSIDERED /2	1 - 1	

Form PTO-1449		
	Leggin	
ATTY DOCKET NO. 61-03A	1 SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

: ", ".

Page 8 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438.365 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE GROUP U.S. PATERT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER SUB-CLASS CLASS FILING DATE ÄA AB AC λD AΕ AF AG АH AI AJ. AX POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS BJP Yes WO 96/15811 A1 05/30/1996 WIPO No Yes HO 96/22321 A1 07/25/1996 WIPO Yes ANIO 08/01/1996 WIPO A010 WO 96/31549 A1 10/10/1996 WIPO No Yes WO 98/14439 A1 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Dattagupta, Mar and Albarella, J.D., Photochemical nucleic.acid-labeling reagent having a polyalkylamine spacer, Chemical Abstracts 114:381, Abstract No. 114:78227w, American Chemical Society (1991) BJB AR 13 Dayhoff, M.O., et al., "A Model of Evolutionary Change in Proteins," in Aclas of Protein Sequence and Structure, Vol.5, Suppl. 3, Dayhoff, M.O., ed., National Biomedical Research Foundation, Washington, D.C. pp.345-352 (1978) AS 11 De Robertis, E.M., et al., "Intracellular migration of nuclear proteins in Xenopus oocytes," Nature 272:254-256, Macmillan Journals, Ltd. (1978) AT 11 DATE CONSIDERED /2 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

	Form PTO-1449	
•	ATTY DOCKET NO. 61-03A SERIAL NO. 10/629,522	FILING DATE 7/28/2003
	APPLICANT Chu et al.	GROUP 1642

 $k_{i}c.$

					ATTY. DOCKET NO.		APPLICATION	Page 9 of	
		FORM	PTO-1449		0942.4650001/RWE	/THIN	09/438,365		
	cm		SUPPLEMENTAL		APPLICANT Chu et al.				
IN	ORNATI	ON D	SCLOSURE STATE	MENT	FILING DATE		GROUP		
					November 12, 199	9	1635		
		_		U.S. P.	ATENT DOCUMENTS				
EXAMINER INITIAL		200	CUMENT NUMBER	DATE	NAME	C. 7.2	SID G 166		
	м				155.5	CLASS	SUB-CLASS	FILING DAT	
	AB							 	
	AC						 	 	
	AD.								
	AE	1							
	AF	+-		<u> </u>					
	AG	-		<u> </u>	<u> </u>				
	AH	+		 	 		-		
	AI AJ	+		 	 		 		
	AK	+		 	 		 		
	1			PORRION I			<u> </u>	<u> </u>	
CAMINER		T		FURZIGN	PATENT DOCUMENTS		Τ		
VITIAL	4	DOC	UMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO	
	AL							Ye	
	 ~ -	+-			 		 	N.	
·	AM					-		Ye N	
	AN							Ye	
	 ~~	┼						N	
	AO	<u> </u>			L			Ye N	
• • • • •	1.							Ye	
	AP	ــــــــــــــــــــــــــــــــــــــ			<u> </u>			. н	
87p	AR		Dedhar, S., e	c al., "A Co	tle, Date, Pertines all Surface Recepto sp. Sequence: ".J." Ceress (1987)	r Complex to	- C-11 T	ype I	
	As	14	Demeneix, B.A. Dev. Biol. 35	., ec al., ": :481-484, UE	Gene transfer into C Press (1991)	intact verte		ps.* Inc. J	
	AT	11	Dingwall, C., Trends Biocher	and Laskey, D. Sci. 16:4	R.A., "Nuclear ta 78-481, Elsevier So	rgeting seque	nces - a con bers, (UX) (sensus?* (1991)	
UNINER	ヘジ					DATE C	ONSIDERED /	-/23/05	

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Entry Description (1997) And the American Previously Submitted in the control of
Page 10 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE XX AB AC AD ΑE λF AG RA AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL. No Yes AM No Yes AN No AO Хo Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Dingwall, C., et al., "Ruman immunodeficiency virus 1 tat protein binds trans-activation-responsive region (TAR) RNA in vitro," Proc. Natl. Acad. Sci. USA BUD AR 15 86:6925-6929, National Academy Press (1989) Düzgûnes, N., et al., "Pusion of Liposomes Containing a Novel Cationic Lipid, N-[2,]-(Dioleyloxy)propyl]-N.N.N-trimethylammonium: Induction by Multivalent Anions and Asymmetric Fusion with Acidic Phospholipid Vesicles. Biochemistry AS 28:9179-9184, American Chemical Society (1989) Dwarki, V.J., et al., "Cationic Liposome-Mediated RNA Transfection," Nethods Enzymol. 217:644-654, Academic Press, Inc. (1993) AT 15 DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

		.()	
Form PTO-1449			_
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003	1
APPLICANT Chu et al.		GROUP 1642	4
			- 1

Previously Submitted into the contract of the second of the Previously Submitted into the contract of the second o

(

	FORM PTO-1449				ATTY. DOCKET NO. 0942.4650001/RWE		APPLICATION 09/438,365	Page 11 of NO.
				APPLICANT Chu et al.				
11	FORMAT	ION D	SUPPLEMENTAL DISCLOSURE STATE	YEVT	FILING DATE			
					November 12, 199	9	GROUP 1635	
				U.S. P	ATENT DOCUMENTS			
EXAMINER							<u> </u>	
INITIAL		- ∞	CUMENT NUMBER	DATE	NAME	CIAS	S SUB-CLASS	FILING DAT
	122	┿			 			
	AC	┿		 				
	AD AD			 				
	AE	+-			 			
	AF	_		 				ļ
	AG			 	 			<u> </u>
	AH	$oldsymbol{\Gamma}$					+	 -
	AI	$oldsymbol{\mathbb{T}}$						
	W							
	AK						+	· · ·
				FOREIGN S	PATENT DOCUMENTS			
CAMINER FITIAL								
TILL	+	100	CUMENT NUMBER	DATE	COUNTRY	CLAS	SUB-CLASS	TRANSLATION
	11					ŀ		Ye
		T					+	No
	AM	+-					1 1	Ye:
	AN	ł	j					Yes
	 	1				-		No
	AO	ـــــ			ļ	1	1 1	. Yes
	1	1					1	Yes
	AP				<u> </u>			, No
			THER (Including	Author, Ti	tle, Date, Pertinen	t Pages, at	e.)	
BJP	AR	<u>16</u>	Spand, R.M., Viral Pusion (et al., "Pep Proceins." 8	militide Models for the	Membrane 114, John W	Descabilizing iley & Sons, 1	Actions of nc. (1992)
	AS	16	Eytan, G.D., Biochim, Bioph	Use of Lipo lys. Acta 69	somes for reconstit 4:185-202, Elsevier	ution of bi	ological func Press (1982)	tions,"
	AT	16	Fawell, S., et cells, Proc.	al., "Tat-s Nacl. Acad.	mediated delivery o Sci. USA 91:664-66	f heterolog 8, National	ous proteins Academy Pres	into 5 (1994)
MINER			<u> </u>					

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Page 12 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438.165 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE GROUP 1615 November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME crass sm.crs FILING DATE AA AΒ AC ΑD AE AF AG AН AI λJ AK PORRIGH PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION No Yes No Yes No . Yes AO Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Felgmer, P.L., and Ringold, G.M., "Cationic liposome-mediated transfection,"
Nature 337:387-388, Nature Publishing Group (1989) BJO AR 17 Finlay, D.R., et al., "Nuclear transport in vitro," J. Cell Sci. Suppl. 11:225-242, The Company of Biologists Ltd. (1989) λS 12 FitzGerald, D.J.P., et al., "Adenovirus-Induced Release of Epidermal Growth Factor and Pseudomonas Toxin into the Cytosol of KB Cells during Receptor-Mediated Endocytosis," Cell J2:607-617, Cell Press (1983) AT 17 DATE CONSIDERED 12/23/05 EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

		\mathbf{C}
Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

- volume and the enterior and the enterior of
| | | | | | ATTY. DOCKET
0942.4650001/ | | APPLICATION
09/438,365 | Page 13 of : |
|---------------------|----------|--------|--|--|---|--|--|--|
| | | FORM | PTO-1449 | | APPLICANT | | 1 | |
| | | | SUPPLEMENTAL | | Chu et al. | | , | |
| . 45 | FORMATI | ON DI | SCLOSURE STAT | ENENT | FILING DATE
November 12, | 1999 | GROUP
1635 | |
| | | | | o.s. | PATENT DOCUMENTS | | | |
| EXAMINER
INITIAL | | DOC | TUMENT NUMBER | DATE | NAME | CLAS | SS SUB-CLASS | FILING DAT |
| | AA | ┿ | | | | | | |
| | AB | + | | | | · | | |
| | AC
AD | +- | | | | | | |
| | AE | + | | · | | | + | - |
| | AF | \top | | | | | | |
| | AG | 1 | | | | | | |
| | АН | | - | | | | | |
| | AI | | | | | | | |
| | AJ | | | | | | | |
| | AK | | | | | | | |
| | | | | POREIG | PATENT DOCUMENTS | | | |
| MAHINER
MITIAL | | DOCT | UMENT NUMBER | DATE | COUNTRY | CLAS | S SUB-CLASS | TRANSLATIO |
| | AL | | | | • | 1 | | Ye |
| | AM | | | | | | | Уe |
| | AN | | | | | | <u> </u> | Ye |
| | AO | | | | | | | Ye |
| | | | | · · · · | | | + | Ye |
| | AP | | | <u></u> | | | ļ | He |
| B Jø | AR | 18 | Frankel, A.D. | eficiency | "Activity of synt
virus type 1, Pr
(1989) | hetic pentides | from the Tae | proceim of:7397-7401, |
| | AS | 10 | Friedlander.
Fragments Act
Rockefeller U | ive in Cel | al., "Functional
1-Substrate Adhes
Press (1988) | Mapping of Cytion, J. Cell | otactin: Proc
Biol. 107:232 | eolytic
9-2340, The |
| | AT | 18 | Gao, X., and
Delivery by P
(1996) | Huang, L.,
olycacions | "Potentiation of | Cationic Lipo
35:1027-1036, / | some-Mediated
American Chemi | Gene
ical Society |
| \perp |] [| . 1 | | | | | | |

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

FORM PTO-1449				0942.4650001/R		ATTY. DOCKET NO. APPLICATION NO. 0942.4650001/RME/THON 09/438,365 APPLICANT			
	SEV				Chu et al.				
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			FILING DATE November 12, 1	999	GROUP 1635				
				U.S. 9	ATENT DOCUMENTS				
XAMINER	T	T		1			T		
NITIAL	+-	500	UMENT NUMBER	DATE	NAME	CIVE	S SUB-CLASS	FILING DAT	
	AA	+-		 					
~	AB.	+-	***	 				ļ	
	· AC	+	·	 	 			-	
	AE	+-		 	 -			 	
	AF	+-		 	- 			-	
	AG	1		1			 	 	
	AH.	\perp						 	
	AI						1	1	
	נג								
	AX								
				PORFICN	PATENT DOCUMENTS				
Kaminer Nitial			UMENT NUMBER	DATE					
	+	+		LAZZ	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO	
	· AL			<u> </u>				Ye N	
	АН							Ye:	
	AN							Yes	
	AO						1	· Yes	
	AP							Yes	
		٠	THER (Includes	- 11122 2	itle, Date, Perti		ــــــــــــــــــــــــــــــــــــــ	, No	
BJD	AR.	 12	Garcia: Bustos	r Jac RE: Al	"Nuclear prote er Science Publis	in; localizați	m, • Blochim.	Biophys	
	AS	12	Gardner, J.N. on Placelets,	, and Hynes * Cell 42:4	, 3.O., "Interact 39-448, Cell Pres	ion of Pibrone s (1985)	ectin with It	9 Receptor	
	AT	15	selectively s	ubstituted :	d, L., "Synthesis on the secondary a 282t, American Che	amine function	s. Chemical	e Abstracts	
AMINER	<u> </u>	7				DATE			

()		\odot
Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in

AND STREET MURBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION DOCUMENT MURBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION DOCUMENT MURBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION DATE AND CLASS SUB-CLASS SUB-CLASS TRANSLATION DATE AND CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TRANSLATION DATE AND CLASS SUB-CLASS			 —			ATTY. DOCKET NO		APPLICATI	
INTORMATION DISCORDER STATEMENT U.S. PATENT DOCUMENTS U.S. PATENT	FORM PTO-1449				0942.4650001/RME/THN 09/438.365				
U.S. PATENT DOCUMENTS		SE	ENTH	SUPPLEMENTAL					
MINITAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AB AC AD AB AE AF AG AN AN AI AI AI AI AI AN AN AN	11	FORMAT	ON D	SCLOSURE STATE	MENT		99		
NITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AB AC AC AD AE AF AF AF AG AN AN AI AI AJ AJ AJ AL COUNTRY CLASS SUB-CLASS TRANSLATION FOREIGN PATENT DOCUMENTS COUNTRY CLASS SUB-CLASS TRANSLATION MENTIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION N YE N AN AN AN AN OTHER (Including Author, Title, Date, Pertisent Pages, etc.) Coldfarb) D.ST. et all. "Synthetic peptides as nuclear localization signals." Mature 127:641-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 20 Gould-Fogerice, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo," Cene 84:429-436, Elsevier (1989) MINER DATE CONSIDERED /2/2/85					U.\$. P	ATENT DOCUMENTS			
AA AB AC AD AC AD AE AF AG AN AG AN AI AI AI AI AI AI AI AI AI	EXAMINER INTITAL								
AS AC AC AD AE AF AF AG AN AN AI AI AI AX PORSIGN PATENT DOCUMENTS CLASS SUB-CLASS TRANSLATIO YE NOTHER (Including Author, Title, Date, Pertinent Pages, etc.) OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb, D.S. et al. "Synthetic peptides as nuclear localization signals." Mature 122:661-664, Nature Publishing Group (1986) AS 22 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 28 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo," Gene 86:429-438, Elsevier (1989) MINTER DATE CONSIDERED /2/2 3/65		AA	+=	COMENT NUMBER	DATE	NAME		ex Sus-cre	S FILING DAT
AC AD AE AF AF AG AN AI AI AI AI AI AI AN AN DOCUMENT MUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIO YE N AN AN AN AN AN AN AN COUNTRY CLASS SUB-CLASS TRANSLATIO YE N YE N YE N AN AN AN COUNTRY CLASS SUB-CLASS TRANSLATIO YE N YE N YE N AN AN AN COLOREST MUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIO YE N YE N YE N AN AN AN COLOREST MUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIO YE N YE N N YE N AN AN AN COLOREST MUMBER COLOREST MUMBER COLOREST MUMBER COLOREST MUMBER AT 20 COLOREST MUMBER COLOREST MU			+	··	 				
AD AE AF AG AG AN AI AI AJ AX POREIGN PATENT DOCUMENTS COMMINER SITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIO YE N AN AN AN AN AN AN CTER (Including Author, Title, Date, Pertinent Pages, etc.) COMMINER (Including Author, Title, Date, Pertinent Pages, etc.) COMMINER (Including Author, Pathy) Neture 122:661-664, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathyays for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 86:429-418, Elsevier (1989) MINER MINER MINER DATE CONSIDERED /2/2/3/es			+-		 	 -			
AF AG AR AR AI AI AJ AX FOREIGN PATENT DOCUMENTS CAMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIO TOWN AN AN YE N AN AN CTERR (Including Author, Title, Date, Pertinent Pages, etc.) Coldfarb, D. S. et al., "Synthatic peptides as nuclear localization signals." Nature 127:641-644, Nature Publishing Group (1986) AS Coldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs." Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT Could-Fogerite, S., et al., "Chimarasome-mediated gene transfer in vitro and in vivo." Gene 86:429-418, Elsevier (1989) MEMBER: Initial if reference Considered members and state of the second considered members and in vitro." Gene 86:429-418, Elsevier (1989)			1-		-	 			
AG AN AI AI AI AI AI AX PORREGN PATENT DOCUMENTS CLASS SUB-CLASS TRANSLATIO YE N AN AN AN AN CTEER (Including Author, Title, Date, Pertinent Pages, etc.) COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AP COUNTRY CLASS SUB-CLASS TRANSLATION N Ye N N AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) COLORER (Including Author, Title, Date, Pertinent Pages, etc.) COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.) AD COLORER (Including Author, Title, Date, Pertinent Pages, etc.)		AE	1		 				
AR AI AI AI AI AX FOREIGN PATENT DOCUMENTS CAMINER STRAIN AND STR		AF							
AI AX POREIGN PATENT DOCUMENTS CAMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIO AL AN YEAR AN YEAR AND YEAR AND YEAR AND YEAR AND YEAR (Including Author, Title, Date, Pertinent Pages, etc.) OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Coldfarb, D.ST., et al., "Esynthetic peptides as nuclear localization signals." Nature 132:641-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 84:429-418, Elsevier (1989)		AG			† · · · · ·				
AND		AH			<u> </u>				
POREIGN PATENT DOCUMENTS ALL ALL AN AN AN AN AN CHASS SUB-CLASS TRANSLATIO YE N AN AN AN CHASS SUB-CLASS TRANSLATIO YE N YE N AN AN AN CHASS SUB-CLASS TRANSLATIO YE N YE N YE N AN AN AN CHASS CHASS SUB-CLASS TRANSLATIO YE N YE N YE N YE N AN AN AN CHASS CHASS CHASS CHASS TRANSLATIO YE N YE N YE N AN AN CHASS CHASS CHASS CHASS TRANSLATIO YE N YE N N YE N AN AN CHASS CH		AI		·		 			+
AL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION YEAR INTIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION YEAR IN AM YEA		Į Ā.J	1			 			
AL AM AM AN AN AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb, D. S. et al., "Synthetic peptides as nuclear localization signals." Mature 122:541-644, Nature Publishing Group (1996) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear cransport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 66:429-438, Elsevier (1989) MINER MINER DATE CONSIDERED /2/23/es		AK	T			·			
AL AM AM AN AN AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb, D. S. et al., "Synthetic peptides as nuclear localization signals." Mature 122:541-644, Nature Publishing Group (1996) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear cransport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 66:429-438, Elsevier (1989) MINER MINER DATE CONSIDERED /2/23/es					PORRIGH	PATENT DOCTORY			
AL AM AM AN AN AN AN AN AN AN AN	KAMINER								1
AM AN AN AN AN AN AN AN AN AN	IITIAL	-	DOC	UMENT NUMBER	DATE	COUNTRY	ر ما	SS SUB-CLASS	TRANSLATIO
AM AN AN AN AN AN AN AN AN AN		1	1						
AN YEER (Including Author, Title, Date, Pertinent Pages, etc.) Coldfarb, D.S., et all, Synthetic peptides as nuclear localization signals. Nature 322:641-644, Fature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo," Gene 86:429-418, Elsevier (1989)		- AL	+						N
AN Ye AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb; D.S., et al., "Synthetic peptides as nuclear localization signals." Nature 122:541-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Biol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo," Gene 86:429-438, Elsevier (1989)		Ж				1	1	- 1	Ye
AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb, D.S., et al., "Synthetic peptides as nuclear localization signals." Nature 122:641-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 84:429-438, Elsevier (1989) MINER DATE CONSIDERED /2/23/eS		\top	\vdash						No.
AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb, D.S., et al., "Synthetic peptides as nuclear localization signals." Nature 122:641-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 86:429-438, Elsevier (1989) MINER DATE CONSIDERED /2/23/ps		AN	Ь.						
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb: D.ST. et all., "Synthetic peptides es nuclear localization signals." Nature 122:641-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 86:429-438, Elsevier (1989) MINER: Initial if reference considered whether the state of t	•	1	1						
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Goldfarb: D.ST. et all. Synthetic peptides as nuclear localization signals. Nature 122:641-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 86:429-438, Elsevier (1989) MINER DATE CONSIDERED /2/23/eS		170	+-						No.
Goldfarb, D.S., et al., "Synthetic peptides as nuclear localization signals." Nature 122:641-644, Nature Publishing Group (1986) AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991) AT 20 Gould-Pogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 84:429-438, Elsevier (1989) MINER DATE CONSIDERED /2/2/2/es		AP		•					161
AS 20 Goldfarb, D. St., et al., "Synthetic peptides as nuclear localization signals." AS 20 Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs." Trends Cell Biol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo." Gene 84:429-418, Elsevier (1989) MINER DATE CONSIDERED /2/23/eS	·			THER (Traine)					No
Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Siol. 1:20-24, Elsevier Science Publishers, Ltd (UK) AT 20 Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo," Gene 84:429-438, Elsevier (1989) MINER DATE COMSIDERED /2/23/eS	Bop	AR	٠٠	Goldfarb; D.S	Tid es Mi lijas	Synthetic pentide	s-as:nuclea p (1986)	rlocalizatio	
MINER DATE CONSIDERED /2/23/es		AS	29	ACC 11	and Hichaud ends Cell Si	, N., "Pathways fo ol. 1:20-24, Else	or the must		
MINER: Initial if reference considered whether any	I	AT	20	Gould-Fogerite	2, S., or all 1:429-438, E	., *Chimerasome-me lsevier (1989)	ediated gene	: transfer in	vitro and in
MINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.	aminer		Y						1-123/05
	MINER: I	Ditial	lf re	ference consid	ered, whether	r or not citation	is in confe	ormance with	

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

... Previously: Submitted in the contract of the Previously: Submitted in the contract of the

Form PTO-1449 <u>SEVENTH SUPPLEMENTAL</u> INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICANT		APPLICATION 09/438,365	NO.	
				Chu et al. FILING DATE GROUP				
					November 12, 1999		16)5	
EXAMINER	$\overline{}$	T^-		0.5.	PATENT DOCUMENTS			
INITIAL		200	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	PILING DA
	- AA	4_					1	1.131.13
	AB							· ·
	AC	┿.						
	AD.	+-						Ť
···	AE	+						
	. AF	+						
	AG	┯		 				
	AH	+		 				
	AI AJ	+		 			<u> </u>	
	AK	+-		 	<u> </u>			
	144			<u> </u>				<u> </u>
EXAMINER		Т		POREIGN	PATENT DOCUMENTS	-	,	,
INITIAL	L	1000	UMENT NUMBER	DATE	COUNTRY	CTARR	SUB-CLASS	
		T				10003	303-CLASS	TRANSLATI
	AL_	┼		<u> </u>				
	AM							Y
	1	1-				+	ļ	
	AN							Y
	1							Y
	AO	╁						i
	AP	ł		ļ				Ye
	1		TOTAL / 7 - 1 - 4/ -		Title, Date, Pertinent Pa			!
BOD	AR .	21	Grant, D.S.	chelial Ce	No Different taminin Dom		ate the Dif	ferentiation Cell
	AS	21	Hackh's Chemi New York, NY	cal Dictio p.391 (196	nary, 4th ed., Grant, J., 9}	, ed., Mc	Graw-Hill Bo	ook Company
	AT	21	Kaensler, J., Efficient Tran American Chem	materriou (Jr., F.C., "Polyamidoami of Cells in Culture," <i>Bio</i> ty (1993)	ne Casca conjug.	de Polymers Chem. 4:372-	Mediace
AMINER	$ \sqrt{}$					DATE CO	WSIDERED /	1/2/20

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

					ATTY. DOCKET NO. 0942.4650001/RHE/	THO	Page 17 of APPLICATION NO.			
			N PTO-1449		APPLICANT	APPLICANT				
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE CTATCHER				Chu ec al.						
INFORMATION DISCLOSURE STATEMENT					FILING DATE November 12, 1999		GROUP 1635			
EXAMINER				0.5.	PATENT DOCUMENTS					
INITIAL		_ 00	CUMENT NUMBER	DATE	NAME	7.000	CIT. CI . 22			
	AA					CLASS	SUB-CLASS	FILING DA		
	λB									
	AC							 		
	YD	- -								
	AE_							 		
	. AF									
	AG	+		 -						
	AH AI	╁	·	 	 					
	- IAI	+-		 						
	AK	+		 						
				2022201						
CAMINER	\top	Τ-		POREIGN	PATENT DOCUMENTS					
ITIAL	+-	DO:	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO		
	NL.	\perp	•					Ye N		
	АМ	$oldsymbol{\perp}$		•				Ye N		
	AN							Ye		
	AO							Ye		
	1	1	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •		- 		Ye:		
	AP							No.		
	Υ	-	THER (Including	Author, T	itle, Date, Pertinent	Pages, etc.)			
BJb 1	AR .	<u> 22</u>	Acta 1284:47-	55, Elsevie	ection of DNA without E Science B.V. (1996)	cionic lipos encapsulat	omes and his	stone Hl im. Biophys		
	AS	22	Hamana, K., e		dethylthermospermine act No. 117:86723g, A	in leguminou merican Ches	s seeds, C	hemical y (1992)		
	AT	23	Sceamboat Spri	ngs. Co	*RGD-mediated game d Therapy and Holecular March 26-April 1, 199 321, Wiley-Liss (199	Medicine. K				
HINER		7				DATE CO	ISIDERED / 2	62/10		
	,	•				1		-125/65		

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

FORM PTO-1449					ATTY. DOCKET NO. 0942.4650001/RWE/T	101	Page 18 of 5 APPLICATION NO. 09/438,365		
					APPLICANT				
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				Chu et al.					
		XV	700000000 31912		November 12, 1999		GROU7 1635		
		- -		U.S. P.	ATENT DOCUMENTS				
examiner Initial	1	DC	CUMENT NUMBER	DATE	NAME	CLASS			
	AA			1	1.7013	LLASS	SVB-CLASS	FILING DAT	
	· AB						 	 	
	· AC						 	 	
	AD								
	AE							 	
	AF								
	AG								
····	AH	-							
	AI								
	NJ.	+		<u> </u>					
	AK	ᆚ		<u> </u>	<u> </u>				
				FOREIGN :	PATENT DOCUMENTS				
IANINER IITIAL	↓_	000	TUMENT NUMBER	DATE	COUNTRY	CLASS	SV3-CLASS	TRANSLATIO	
	AL.	1.						Ye	
-	АМ	\perp						Ye	
·	AN							Ye M	
	м							Ye N	
	1							Ye	
	AP	ᆚ			<u> </u>			, No	
BJP	AR	21	Haverstick. D	.M., et al. nd von Will the Cell-Bir	"Inhibition of Plat brand Pactor Substra dding Domain of Pibro h (1985)	elet Adhesi	on to Fibro	nectin, rapeptide 952,	
	AS	22	Hawley-Nelson polycationic Inc. (1993)	, P., et al. liposome tra	. "LipofectAMINE" re-	ngent: A ne Focus 15:73	w, higher e -79, Life To	fficiency schnologies,	
	AT	23	Hetschko, M., dithiolans und 1692, Pergamor	l seiner 2,2	k, J., "Reaktionen ve -substitutionsprodukt 2)	on sulfoniu	msalzen des hodran Lecc.	1,3- 17:1691-	
									

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in the control of the state of the s

FORM PTO-1449						ATTY. DOCKET NO. 0942.4650001/RWE/THN			Page 19 of NO.
SEVENTH SUPPLEMENTAL				APPLICANT Chu et al.			09/438,365		
<u> </u>	FORMAT	IQ NO	SCLOSURE STATE	MENT	FILING DATE November 12.	1999		GROUP 1635	
				V.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		200	UMENT NUMBER	DATE			_		
	- M	+	OHENT ROMBER	DATE	NAME		LASS	SUB-CLASS	FILING DA
	AB			 	-			 	
	AC			·				-	
	AD								
	AE		· · · · · · · · · · · · · · · · · · ·		<u> </u>				
	. AF								
	AG								
	AH	4_		<u> </u>					
	AI								
	LA.	+							
	AK			<u> </u>					
			···	FOREIGN	PATENT DOCUMENT	s			
CAMINER CITIAL		0000	UMENT NUMBER	DATE	COUNTRY		ASS	SUB-CLASS	TRANSLATIO
·——	AL	_							Y
	AH ·	_							Y
	AN	<u> </u>							Y (
	AO	<u>L</u> _							· Y(
									Ye
	AP	Щ.	·						
B Jp	AR	24	Huckett, B.,	"17 et al., *D	itle, Date, Pert	ted gene rya	· .:.	r by recent	or-mediated
	AS	24	numan, Plasma	Fibroneccin	"Identification That Mediates Rockefeller Un	Call Type-spe	ri Fi	- Adhesion -	Site in
	AT	24	specific Adher	; segment o sion, J. B	"Identification f Human Plasma F iol. Chem. 262:6 ar Biology (1987	ibronectin T	har I	Promore Cell	Done -
		<u> </u>						NSIDERED /	

Form PTO-1449	90	
	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

where there is a substitution of the contract of Previously Submitted in the contract of the c

Page 20 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME SUB-CLASS FILING DATE м AB λÇ AD AE AF λG AH AI A.J AK PORTION PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY SUB-CLASS TRANSLATION Yes No Yes No Yes Мо Yes AO No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Ito. A., et el., "Synthetic cationic amphiphiles for liposome-mediated DNA transfection," Biochem. Incl. 22:235-241, Academic Press Australia (1990) 836 <u>25</u> Kalderon, D., et 41., "A Short Amino Acid Sequence Able to Specify Muclear Location," Cell 19:499-509, Cell Press (1984) <u>25</u> Kamata, H., et al., "Amphiphilic peptides enhance the efficiency of liposome-mediated DNA transfection," Nucleic Acids Res. 22:536-537. Oxford University AT 25 Press (1994) DATE CONSIDERED /2/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

the case of the contract that the Previously Submitted in:

: ...

next communication to Applicant.

("

Page 21 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu ec al FILING DATE GROUP November 12. 1999 U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER CLASS SUB-CLASS FILING DATE AA AB AC ΑĐ AE AF AG AH AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes No Yes AN No Yes AO No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kaneda; Y. , et al., The Improved Efficient Method for Introducing ... BOP Macromolecules into Cells Using NVJ (Sendai Virus) Liposomes with Gangliosides, * Exp. Cell Res. 173:56-69, Academic Press, Inc. (1987) AR 26 Kaneda, Y., et al., 'Introduction and Expression of the Human Insulin Gene in Adult Rat Liver,' J. Biol. Chem. 264:12126-12129, The American Society for 26 Biochemistry and Molecular Biology, Inc. (1989) Maneda, Y., et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378, American Association for the Advancement of Science (1989) ΑT EXAMINER DATE CONSIDERED EXAMENER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO. 1	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

Previously Submitted in the contract of the co

6.

					ATTY. DOCKET NO. 0942.4650001/RWE/THN			APPLICATION NO.		
		FORM	PTO-1449		0942.4650001/RWE/THN 09/438,365 APPLICANT					
	SEV	ENTH	SUPPLEMENTAL		Chu et al.					
INF			SCLOSURE STATE	MENT	FILING DATE		- 1	ROUP		
					November 12, 1	999	نلب	635		
		_		U.S. P.	ATENT DOCUMENTS					
EXAMINER INITIAL		DOC	TUMENT NUMBER	DATE	NAME	ا	LASS			
	- M	+	ONEST PORSER		1 10012		TY22	SUB-CLASS	FILING DATE	
	AB	1		1	 -				i	
	AC									
	AD									
	AE	┦								
	AF	 								
•	AG_	+		<u> </u>	ļ <u> </u>					
	AH	+-			 					
	AI	╁─		 						
	AJ AK	+-								
	1~~		·····	2022201					L	
EXAMINER	Τ	$\overline{}$	·	PORRIGN	PATENT DOCUMENTS				г	
INITIAL	<u> </u>	DOC	UMENT NUMBER	DATE	COUNTRY	a	ASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AH								Yes No	
				•					Yes	
	AN	\vdash			 				No Yes	
	AO	-							No	
	AP	<u> </u>							Yes No	
		0	THER (Including	Author, Ti	tle, Date, Perti	nent Pages,	etc.)		
BOP	AR	12	Karlsson, S., recombinant D Academy Press	NA viruses.	ransfer of genes Proc. Nacl. Aca	into…hemat nd. Sci. US.	opoie A 82:	tic:calls:u 158-162, Na	sing tional	
	AS	27	Kielian, M., Plaviviridae, York, NY, pp.	Schlesinger	s, A., "Entry of r, S., and Schles 6)	Alphavirus	is ii	n The Togav	iridae and Pross, New	
	AT :	27	Kirsch, T., & Purification 8:75-84, Acad	of Biologica	ning, High-Yield Hly Active HIV-1 Inc. (1996)	Expression Tat Protei	in E.	scherichia (Protein Exp	coli, and r. Purif.	
XAMINER	人	$\overline{}$				Ina	TE CC	NSIDERED) .	-, -	

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

upatra da 1908 de 1970 de partir de la composição de la composição de la composição de la composição de la comp

 $\dot{e}_{\rm i}$

			PTO-1449		ATTY. DOCKET NO. 09/438,165 APPLICANT Chu et al.				
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				FILING DATE November 12, 19	99	GROUP 1635			
				Ũ.S. P.	ATENT DOCUMENTS				
XAMINER							1	T	
NITIAL	-	100	CUMENT NUMBER	DATE	NAME	CLAS	SUB-CLASS	FILING DAT	
	AA.	+		-					
	AB		• • •	 				<u> </u>	
	AC	-∤		 	 		<u> </u>	L	
	AD.								
	AE	-	· · · · · · · · · · · · · · · · · · ·	 		\longrightarrow		<u> </u>	
	AF	+		 				<u> </u>	
	AG	+-		 			-		
	AH	+		 				ļ	
	AI	+-		 			-	ļ	
	AJ.	+		 	 			ļ	
	AK			<u> </u>	<u> </u>			<u> </u>	
AMINER	Τ			POREIGN	PATENT DOCUMENTS				
ITIAL	_	DOC	UMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO	
	AL	$oldsymbol{\perp}$		· ·				Ye N	
	АМ				_			Ye N	
	AN							Ye	
	AO							Ye.	
	AP							Ye	
	1	٠	TPER (Including		tle, Date, Pertine			.N	
BJO	AR	ļ	Klappe, K	rchalle_ tPer le of Viral	ameters Affecting Proteins, Liposom henical Society (1	Fusion between	m Sandai Vis	us and liochemistry	
	AS	<u>28</u>	Knodis, Z., a Abstracts 120	nd Valiulien	ne, S., "New react ract No. 270276b, i	ions of 1,1-c	ilamines, * Ch	emical (1994)	
	AT	28	infection by	cationic lip	nancement of human posomes: the role of rol. 72:2685-2696,	of CD4. serum	and linesome	e-cell	
		_							

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

was care in contract, the second second a Previously Submitted in the local contract of the second s

Page 24 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THO APPLICATION NO. FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME SUB-CLASS FILING DATE AA AB AC AΦ AE AF AG AH AI AJ POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER TRANSLATION Yes No Yes Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Krasijeveld, C:A., ecualor The effect of liposomal charge on the neutralizing antibody response against inactivated encephalomyocarditis and Sepliki Forest BJP AR <u> 29</u> viruses, Clin. Exp. Immunol. 56:509-514, Blackwell Scientific Publications (1984) Kukowska-Latallo, J.F., et al., 'Efficient transfer of genetic material into mammalian cells using Starburst polyamidoamine dendrimers, Proc. Natl. Acad. 29 Sci. USA 93:4897-4902, National Academy Press (1996) Lanford, R.E., et al., "Comparison of Diverse Transport Signals in Synthetic Peptide-Induced Nuclear Transport," Exp. Cell Res. 186:32-38, Academic Press, AT Inc. (1990) DATE CONSIDERED /23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

()

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in: 1997 1997 1997 1997 1997

Page 25 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438.365 FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME ' CLASS SUB-CLASS FILING DATE * AB AC AD AE AF AG АН AI A.J AX POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER æ No Yes No No Yes No No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Lanford, R.E., et al., "Induction of Muclear Transport With a Synthetic Peptide Momologous to the SV40 T Antigen Transport Signal," Cell 46:575-582, Cell Press BUD AR 20 Lapidot, M., and Loyter, A., "Pusion-Mediated Microinjection of Liposome-Enclosed DNA into Cultured Cells with the Aid of Influenza Virus Glycoptoteins," Exp. Cell Res. 189:241-246, Academic Press, Inc. (1990) AS 20 Lawler, J., et al., 'Cell Attachment to Thrombospondin: The Role of ARG-GLY-ASP, Calcium, and Integrin Receptors, J. Cell. Biol. 107:2351-2361. The AT 30 Rockefeller University Press (1988) DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449	
ATTY DOCKET NO. 61-03A SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	GROUP 1642
	

					ATTY. DOCKET NO.		APPLICATION	Page 26 of :
	PORM. PTO-1449			0942.4650001/RWE/THN 09/438.365				
	SE	/ENTH	SUPPLEMENTAL		Chu et al.	_ ·		
IN	FORMAT	נם אס	SCLOSURE STATE	MENT	FILING DATE		GROU?	
					November 12, 1999		1635	
				U.S. PA	TENT DOCUMENTS			
EXAMINER INITIAL		DOX	CUMENT NUMBER	DATE	NAME	CLASS		
	AA	1		10012	RACIE	LLASS	SUB-CLASS	FILING DAT
	АВ						 	
	AC					_	 	
	מג							···
	AE							
	A8			<u> </u>	ļ			
	AG			ļ				
	AH	+-				_		
	AI			 -				ļ
	A.J A.K	+-			 		ļ	_
		ــــــــــــــــــــــــــــــــــــــ		PARTON -	l primaries			L
XAMINER	Т	T		POREIGN	ATTENT DOCUMENTS			
NITIAL	<u> </u>	DOC	WHENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	l	1						Yes
	AL	┿			 			No
	AH	1			·			Yes No
		I						Yes
	AN	╁			<u> </u>			No
	AO							Yes No
								Yes
 -	AP	٠						. No
	1		THER (Including	Author, Tie	tle, Date, Pertipont I	Pages, etc	.1	
37p	AR	21 21	Legley, F.D.,	"Clinical C " Hum. Gene	onsideracions in the Ther. 2:77-83, Mary A	Design of	Protocole fo	or Someric
	AS	n	narud bH.2eus	itive Liposom	Delivery of Plasmid Di mes: Comparison with (shing Corporation [19]	Cationic L	mmalian Cell iposomes," i	Lines Pharm. Res.
	AT	n	attresench tti	instaction of	Cyclic amphipathic per adherent mammalian o cademy Press (1993)	otide-DNA :	complexes me oc. Nacl. Ac	diate high- ad. Sci.
CAMINER		<u> </u>	7				NSIDERED /	

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.		_	GROUP 1642	

Secretary of the early was to the first of Previously Submitted in the last of the early of

(.

DATE CONSIDERED /2/23/05

7age 27 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THOM APPLICATION NO. 09/438,365 FORM PTO-1449 **APPLICANT** Chu et al SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS FILING DATE AA AB AC AD AE AF AG HA AI AJ. PORSIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS No Yes Yes AN No Yes Yes OTHER (Including Author; Title, Date, Pertinent Pages, etc.) Lite Technologies 1993-1994 Catalog and Reference Guide, pp. 9-19 Co 9-21, I-66, R-48 to R-51, Life Technologies, Inc. (1993) BJA _2 .:-<u> 12</u> Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the Semliki Forest virus replicon," $Biotechnology\ (N-Y)$ 22 9:1356-1361, Nature Publishing Company (1991) Loeffler, J-P., and Behr. J-P., Gene Transfer into Primary and Established Mammalian Cell Lines with Lipopolyamine-Coated DNA, Methods Enzymol. 217:599-618, Academic Press, Inc. (1993) AT 22

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

EXAMINER

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

was the case and the first the Williams to a construction of Previously Submitted in the construction of t

Page 28 of 52 ATTY. DOCKET NO. 0942.4650001/RME/THN APPLICATION NO. FORM PTO-1449 **APPLICANT** SEVENTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER INITIAL NAME AA AB AC AΩ AE ΔF AG AН AI AJ. АX POREIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER INITIAL COUNTRY TRANSLATION AL. Yes No AN No Yes λO No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Loyter, A., et al. Mechanisms of DNA uptake by mammalian cells. Fare of exogenously added DNA monitored by the use of fluorescent dyes, Proc. Natl. Acad. Sci. USA 79:422-426, National Academy Press (1982) BJP " Malone, R.W. et al., "Cationic liposome-mediated RNA transfection," Proc. Natl. Acad: Sci. USA 86:6077-6081, National Academy Press (1989) AS ננ Mann, D.A., and Frankel, A.D., "Endocytosis and targeting of exogenous HIV-1 Tat protein." EMBO J. 10:1733-1739, Oxford University Press (1991) AT 33 DATE CONSIDERED /2/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Brew line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

 \bigcirc

Previously Submitted in:

					ATTY. DOCKET NO 0942.4650001/RW		APPLICATION	Page 29 of 5		
	FORM PTO-1449					0942.4650001/RWE/THN 09/438.365				
	SE	KENTH	SUPPLEMENTAL		Chu et al.	-				
INI	INFORMATION DISCLOSURE STATEMENT			FILING DATE November 12, 19	99	GROUP 1635				
				D.S.	PATENT DOCUMENTS					
EXAMINER	\top			T				Υ		
NITIAL		<u></u> 100	CUMENT NUMBER	DATE	NAME	وعدى	العنت-والا	PILING DAT		
	14			<u> </u>						
	AB						T .			
	AC									
	, AD							1		
	AE							1		
	AF									
	AG			<u> </u>						
	AH	1								
	AI									
	AJ									
	AK									
				POREIGN	PATENT DOCUMENTS			·		
CAMINER FITIAL	1	1								
TILAL	+	1000	TUMENT NUMBER	DATE	COUNTRY	CLASS	SV3-CLASS	TRANSLATIO		
_	AL.							Ye		
	1	 		•				Ye:		
	λн						<u>L</u>	No.		
	AN	1		ļ				Yes		
	AN	+-						No		
	AO	1	•					Ye:		
		\top		·			 	Yes		
	AP	<u> </u>						No.		
	,		THER (Including	Author,	Title, Date, Pertine	nt Pages, etc	:.)			
BJP	AR	21	Marsh: M., .ec Rosettes and Rockefeller U	AGBICIGS A	teractions of Semlik with Cultured Cells, Press (1983)	i Porest Viru - J. Cell Bio	#. <u>Spike_Glyc</u> 1. 96:455-46	oprotein		
	AS	21	ror intecting	cells via ndent enha	GD sequence of foots the natural recepts incement pathway, Press (1994)	or but can be	bypassed by	20		
	AT	24	Anterne and He	uman Coron	Efficiency of Lipot ary Smooth Huscle Ce utinin Antigen. J. sevier (1993)	lls is Drama:	ically Impre	wed by the		
AMINER	<u> </u>		/			DATE C	ONSIDERED /	2/23/05		

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

SEVENTAL SUPPLEMENTAL INFORMATION DISCISSIVE STATE-ENT FILING DATE CONTENTS CLAMINER DOCUMENT MUMBER DATE NAME CLASS SUB-CLASS FILING ARE DOCUMENT MUMBER DATE NAME CLASS SUB-CLASS FILING ARE DOCUMENT MUMBER DATE NAME CLASS SUB-CLASS FILING ARE ARE DOCUMENT MUMBER DATE NAME CLASS SUB-CLASS FILING ARE ARE DOCUMENT MUMBER DATE CONTENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLI AL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLI AL DATE COUNTRY CLASS SUB-CLASS TRANSLI AL DATE DOCUMENT PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLI AL DATE COUNTRY CLASS SUB-CLASS TRANSLI AL DATE COUNTRY SUB-CLASS SUB-CLASS TRANSLI AL DATE COUNTRY SUB-CLASS SUB-CLASS TRANSLI CLASS SUB-CLASS TRANSLI AL DATE COUNTRY SUB-CLASS SUB-CLASS TRANSLI CLASS SUB-CLASS TRANSLI AL DATE COUNTRY SUB-CLASS SUB-CLASS TRANSLI CLASS SUB-CLASS SUB-CLASS TRANSLI CLASS SUB-CLASS SUB-CLA						ATTY. DOCKET NO. 0942.4650001/RWE/T	HDN	APPLICATION 09/438.365	Page 30 of
INFORMATION DISCLOSURE STATEMENT FILING DATE (SOUTH PROVIDED 12, 1999) GROUP 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING AA AB A			FORM	PTO-1449		APPLICANT			
U.S. PATENT DOCUMENTS ELAMINER INITIAL DOCUMENT NUMBER DATE AAA AB AC AD AC AD AC AP AF AG AF AG AN AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER MITTAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS FILING COUNTRY CLASS SUB-CLASS TRANSLI AL AN AN AN AN AN AN AN AN AN	SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			FILING DATE					
EXAMINER INITIAL DOCUMENT MOMBER DATE NAME CLASS SUB-CLASS FILING AA AB AB AC AC AD AB AC AC AD AB AC AC AC AD AC			==			· · · · · · · · · · · · · · · · · · · ·		1635	
AA AB AC AC AD AE AF AF AG AN AN AN AN AN AN AN AN AN	EXAMINER	T	\neg		0.3.	PATENT DOCUMENTS		γ	T
AB AB AC AC AD AE AF AF AG AN AI AJ AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLI AL AN AN AN AN AN AN AN AN AN	INITIAL		_ ∞	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DA
AC AD AE AF AG AG AN AI AI AJ AK PORFIGN PATENT DOCUMENTS EXAMINER HITTAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLI AL AM AN AN AN AN AN AN AN AN AN		M.	4						
AD AE AF AG AG AK AI AI AI AI AN AN CLASS SUB-CLASS TRANSLI AL AN AN AN AN AN AN AN AN AN		AB	-						
AE AF AF AG AN AI AI AJ AX AN AN AN AC COUNTRY CLASS SUB-CLASS TRANSLI AL AN AN AN AN AN AN AN AN AN		_			 	<u> </u>			
AF AG AH AI AJ AK POREIGN PATENT DOCUMENTS SXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLA AL AM AN AN AN AN AN AN AN AN AN			+-	-	ļ				
AG AH AI AJ AX FOREIGN PATENT DOCUMENTS EXAMINER MITTIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLI AL AM AN AN AN AN AN AN AN AN AN		_	+-		 			<u> </u>	ļ
AH AI AJ AK FOREIGN PATENT DOCUMENTS CLASS SUB-CLASS TRANSL AL AN AN AN AN AN AN AN AN A			┰		 	- 		 	ļ
AXAMINER MITTAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLI AL AM AN AN AO AP OTHER (Including Author, Title, Date, Pertinant Pages, etc.) Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retroving Partisles." Molecular and Cell Biology of Ceng Therapy, Keystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, 7.14, Keyston Symposia (December 1997) AS 11 Murata, M., et al., "Nodification of the N-terminus of membrane fusion-acti peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 15 Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253. Académic Press, Inc. (1990)			+-		 -			 	
AX FOREIGN PATENT DOCUMENTS CLASS SUB-CLASS TRANSLA AL AM AN AN AN AN AN AN AN AN AN			+		 			 	
POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLY AL AM AN AN OTHER (Including Author, Title, Date, Pertinant Pages, etc.) Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovirus Partisles.i.Molecular and Cell Biology, of Gena Tegrapy, Kaystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keyston Symposia (December 1997) AS 11 Murata, M., et al., "Modification of the N-terminus of membrane fusion-activity," Biochem. Biophys. Res. Commun. 179:10 AT 12 Neugebauer, J.M., "Detergents: An Overview," Hethods Enzymol. 182:239-251, Academic Press, Inc. (1990)			\top		 	 		 	
AL OTHER (Including Author, Title, Date, Pertinent Pages, etc.) OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Miyannhara, A., et al., "Partial Cell-Free Assembly of VSV-G Paeudotyped Retrovirus Particles." Molecular and Cell Biology of Gens Therapy, Kaystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keyston Symposia (December 1997) AS 11 Murata, M., et al., "Modification of the N-terminus of membrane fusion-acting peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) Neugebauer, J.M., "Detergents: An Overview," Methods Ensymol. 182:219-251, Academic Press, Inc. (1990)	·····		1						
AL AN OTHER (Including Author, Title, Date, Pertinant Pages, etc.) Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Paeudotyped Retrovirus Particles." Molecular and Cell Biology: of Gens Therapy, Kaystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keyston Symposia (December 1997) AS 11 Murata, M., et al., "Modification of the N-terminus of membrane fusion-acting peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT 12 Neugebauer, J.M., "Detergents: An Overview," Methods Ensymol. 182:239-253, Academic Press, Inc. (1990)					POREIGN	PATENT DOCUMENTS			ــــــــــــــــــــــــــــــــــــــ
AL AM AN AN AN AN AN AN AN AN AN			T			1			Γ''
AN	NITIAL		1000	REEMUN THEMU	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO
AN AO AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovirus Parcigles," Nolecular and Cell Biology, of Gens Therapy, Keystons Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keyston Symposia (December 1997) AS Murata, M., et al., "Modification of the N-terminus of membrane fusion-acti peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT 15 Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253, Academic Press, Inc. (1990)		AL	_					ļ	Y
AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovirus Particles," Nolevalar and Cell Biology, of Geng Therapy, Keystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.34, Keystone Symposia (December 1997) AS II Murata, M., et al., "Modification of the N-terminus of membrane fusion-active peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT IS Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253, Academic Press, Inc. (1990)		АМ	L						Y
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovitus Particles." Nolecular and Cell Biology, of Gene Therapy, Keystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keyston Symposia (December 1997) AS 15 Murata, M., et al., "Modification of the N-terminus of membrane fusion-acti peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT 15 Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253, Academic Press, Inc. (1990)		. AN							Y
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovirus Partiales," Noierular and Cell Biology, of Gene Therapy, Keystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.34, Keystone Symposia (December 1997) AS 11 Murata, M., et al., "Modification of the N-terminus of membrane fusion-activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT 15 Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253, Academic Press, Inc. (1990)		AO							. Ye
Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovirus Partisles." Molecular and Cell Biology, of Geng Therapy, Keystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keystone Symposia (December 1997) AS 11 Hurata, M., et al., "Modification of the N-terminus of membrane fusion-active peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT 15 Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253, Academic Press, Inc. (1990)		AP							Ye
Miyanohara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovirus Partisles." Molecular and Cell Biology, of Geng Therapy, Keystone Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keystone Symposia (December 1997) AS 11 Hurata, M., et al., "Modification of the N-terminus of membrane fusion-active peptides blocks the fusion activity," Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT 15 Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253, Academic Press, Inc. (1990)			-	THER (Including	Auchor, T	itle, Date, Portinent	Pages, erc	.1	
peptides blocks the fusion activity, "Biochem. Biophys. Res. Commun. 179:10 1055, Academic Press, Inc. (1991) AT Neugebauer, J.M., "Detergents: An Overview," Methods Enzymol. 182:239-253, Academic Press, Inc. (1990)	BOD	AR	25	Colorado, mee	cing date i	Molecular and Cell Bio Manuary 19-25, 1998, A	logy of Ger	e Therany	Yeverone
Academic Press, Inc. (1990)		AS	15	peptides bloc	ks the fusi	on activity, Biochem	rminus of s . Biophys.	embrane fus Res. Commun	ion-active . 179:1050-
AMINER DATE CONSIDERED 12/23	1	AT	25	Neugebauer, J Académic Press	.H., TDeter s, Inc. (19	gents: An Overview, * / 90)	fethods Enz	ymol. 182:2:	39-25),
	AMINER		12				DATE CO	MSIDERED)	1/23/0
AMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. The through citation if not in conformance and not considered. Include copy of this form with	ANCINER: I	nitial	if r	eference consid	ered, whech	er or not citation is	in conform	ance with M	252 608

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

()

::

0

Previously Submitted in

:....

		FARM De			ATTY. DOCK 0942.46500	ET NO. 01/RWE/THON		APPLICATION 09/438.365	Page 31 of NO.
FORM PTO-1449 SEVENTH SUPPLEMENTAL		APPLICANT Chu ec al.							
<u> </u>	FORMATI	ON DISC	OSURE STAT	<u> </u>	FILING DAT			GROUP 1635	
				V.5.	PATENT DOCUMEN	TS			
EXAMINER INITIAL		DOCUM	ENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DAT
	<u> </u>	 							
	AB.	 		 		· · · · · · · · · · · · · · · · · · ·			
	AC	 		ļ					
	AD_								
	AE	┼							
	. AF	+		+				ļ	
•	AG AH			 			 		
	AI	1		+			+	<u> </u>	
	AJ	 		+			- 		
	AK								
		·		FORRIG	PATENT DOCUME		٠		L
MINER				10,010	PALENT DOCUME	N13	γ		
ITIAL		DOCUME	NT NUMBER	DATE	COUNTRY		CLUSS .	SUB-CLASS	TRANSLATIO
	ᇪ								Ye
	AM			T					Ye
	AN						1		Ye
									Ye Ye
	10								N .
	AP							j	.Ye N
		SETO	R (Includio	g Author,	Title, Date, Pe	rtinent Pa	ges, etc.)	
Bab	AR	""	eros HeJ., rticles du 987)	and Carras	co, L., Prote Infection, * Vi	ins are Cai rology 150:	internali 75-80, A	zed_with Vicademic Pres	rion
	AS	75 AC	rente, R.A. sicles: Rol emical Soci	e of Waluo	*Association of Acid Sequence,	a pH-Sens • Biochemi	itive Per	otide with #1713-8719, A	tembrane umerican
	AT ,	20 10	rente, R.A. duced by th ciety (1990	e Peptice ("Mechanism of L GALA," Biochemi	eakage of scry 29:87	Phospholi 20-8728,	pid Vesicle American Ch	Contents
MINER	7	/					DATE CO	NSIDERED ,	2/23/05

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

And the second of the second o

. ;

Page 12 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THM APPLICATION NO. 09/419,165 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE GROUP November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS FILING DATE A.A AB AC λD RE AF AG AH AI AJ. AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION No Yes No Yes No Yes AO. No No OTHER (Including Author, Title, Date, Pertinent Pages, atc.) Pastan, I.H., and Willingham, M.C., "Journey to the Center of the Cell: Role of the Receptosome," Science 214:504-509, American Association for the Advancement of Science (1981) BJO 27 Pepinsky, R.B., et al., "Specific Inhibition of a Human Papillomavirus E2 Trans-Activator by Intracelluar Delivery of Its Repressor," DNA Cell Biol. 13:1011-1019, Mary Ann Liebert, Inc. (1994) 27 Phalen, T., and Kielian, M., *Cholesterol Is Required for Infection by Semliki Forest Virus,* J. Cell Biol. 112:615-62), The Rockefeller University Press AT 27 DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		
	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Page 33 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al FILING DATE November 12, 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME SUB-CLASS FILING DATE м AB AC AD AE AF AG AH AI λJ AK POREIGN PATENT DOCUMENTS INITIAL DOCUMENT NUMBER COUNTRY SUB-CLASS AM No Yes No Yes No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Pierschbacher, M.D., and Ruoslahti, E., "Cell attachment activity of fibronectin can be duplicated by small synthetic fragments of the molecule,"

Nature J09:30-33, Nature Publishing Group (1984) BOD AR 28 Pierschbacher, M.D., and Ruoslahti, E.. "Influence of Stereochemistry of the Sequence Arg-Gly-Asp-Xaa on Binding Specificity in Cell Adhesion," J. Biol. Chem. 262:17294-17298. The American Society for Biochemistry and Molecular AS 38 Biology, Inc. (1987) Pinnaduwage. P., st al.. "Use of a quaternary ammonium detergent in liposome mediated DNA transfection of mouse L-cells." Biochim. Biophys. Acts 985:33-37, AT 38 Elsevier (1989) EXAMINER DATE CONSIDERED / 2/23/OS EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

telescible variations are related to the Previously Submitted in the re-

FORM PTO-1449			ATTY. DOCKET NO. 09/438,365 APPLICATION NO. 09/438,365 APPLICANT CDU 00 01					
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		Chu et al. FILING DATE November 12, 15	GROUP 1615					
•				U.S.	PATENT DOCUMENTS			
EXAMINER								
INITIAL	+	DOX	WENT NUMBER	DATE	NAME	CIV	S SUB-CLASS	FILING DAT
	AB ·	 · ·		 				
	AC	╁		1	` ` · · · · · · · · · · · · · · · · · 		 -	
	AD	┼─		 				
	AE	 		 	· · · · · · · · · · · · · · · · · · ·			
	AF	+		 				
	AG	1		 				
	AH	\vdash		 	· 			
•	AI	 						
	AJ.	t						
	AX							
		•		FORRIGH	PATENT DOCUMENTS			ــــــــــــــــــــــــــــــــــــــ
XAMINER	7		·	1	-		7	T
NITIAL	↓	DOC	UMENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS	TRANSLATIO
	AL							Ye N
	AH							Ye N
	AN							Ye N
	. AO						1	Ye
	AP		7				1 .	Ye.
	I RF		-	- Novelor	itle, Date, Pertin			No
BOD	AR		Poste / Git et	.als_"hip	id Vesiclea;as Car ells, " Methods Cel	riers for Inc l Biol. 14:33	roducing Biol	ogically:.
	AS	29	*Eukaryotic t Promega Corpo	ranscription racion (199	on and Reporter Sys	scems*, 1991/	94 Promega Ca	tålog, p.25:
	AT :	12	lipopolyamine	-condensed rial virus,	geted gene transfe DNA particles pres - Proc. Natl. Acad	enting galac	cose ligands:	A stage
AMINER	ト	/			···	DATE	CONSIDERED /	2/23/05

Form PTO-1449				
ATTY DOCKET NO. 61-03A	I SERIAL NO.	10/629,522	FILING DATE	7/28/2003
APPLICANT Chu et al.			GROUP 1642	

All leaves to the state of the second of the Previously Submitted instance of the second of the second

. .::

next communication to Applicant.

Page 35 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/TEN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT CSOUP FILING DATE November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE DOCUMENT NUMBER DATE NAME AA ÆΑ AC ΑĐ AΕ AF AG HA AI A.J AK POREIGN PATENT DOGUMENTS EXAMINER CLASS SUB-CLASS TRANSLATION COUNTRY DOCUMENT NUMBER Yes No Yes No Yes AN Yes No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Rihs, H-P., et.el., "The rate of nuclear cytoplasmic proteip transport is determined by the casein kinase II site flanking the nuclear localization sequence of the SV40 T-antigen," EMBO J. 10:633-639. Oxford University Press BOP AR 10 (1991) Rihs, R-P., and Peters, R., "Nuclear transport kinatics depend on phosphorylation-site-containing sequences flanking the karyophilic signal of the Simian virus 40 T-antigen," EMBO J. 8:1479-1484, IRL Press (1989) 40 Rose, J.K., et el., "A New Cationic Liposome Reagent Mediating Nearly Quantitative Transfection of Animal Cells," Biotechniques 10:520-525, Eaton AT 40 Publishing Company (1991) DATE CONSIDERED 12/23/05 EXAMINER EXAMINED: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Page 36 of 52 ATTY. DOCKET NO. APPLICATION NO. 0942.4650001/RWE/THO 09/438.365 FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROU? November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AB λC AD. AE AF AG AH AI AJ AX POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATÉ COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes ٨H No Yes AN No Yes AO No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Rosenkranz, A.A., et al., "Receptor-Mediated Endocytosis and Nuclear Transport of a Transfecting DNA Construct, Exp. Cell Res. 199:321-337, Academic Press; BOD AR. 41 Inc. (1992) Ruoslahti, E., and Pierschbacher, M.D., "New Perspectives in Cell Adhesion: RGD and Integrins." Science 238:491-497, American Association for the Advancement of Science (1987) AS 11 Sands, J.A., "Virucidal activity of cetyltrimethylammonium bromide below the critical micelle concentration," FEMS Microbiol. Lett. 16:261-263, Elsevier AT 11 (1986) DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form 2TO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/	629,522 FILIN	IG DATE	7/28/2003
APPLICANT Chu et al.		GR	DUP 1642	

Asserted and the second and the second of the Previously Submitted into the second of
Page 37 of 52 APPLICATION NO. 09/438,365 ATTY. DOCKET NO. 0942.4650001/RWE/THN FORM PTO-1449 APPLICANT Chu et al SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER SUB-CLASS FILING DATE INITIAL DOCUMENT NUMBER DATE CLASS AB AC AD. AΕ AF AG ΑН 14 **J.J** AX POREIGN PATENT DOCUMENTS **EXAMINER** DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION INITIAL No Yes Yes M No Yes AO Yes AP Nо OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Schlegel, R., et al., 'Inhibition of VSV Binding and Infectivity by Phosphatidylserine: Is Phosphatidylserine a VSV-Binding Site?' Cell 32:639-646.
Cell Press (1983) AR BJP 12 Schlegel, R., and Wade, M., "Biologically Active Peptides of the Vesicular Stomacitis Virus Glycoprotein," J. Virol. 53:319-323, American Society for AS 12 Microbiology (1985) Scheule, R.K., "Novel Preparation of Punctional Sindbis Virosomes." Biochemistry 25:4223-4232, American Chemical Society (1986) AT 12 DATE CONSIDERED /2/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449	•		
	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	-		GROUP 1642

Makes Tell Willes and Secretarian Control of the Previously Submitted in: 1000 control of the previously Submit

Page 38 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/439,365 FORM PTO-1449 APPLICANT Chu et al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE CROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AB AC ΑD λE AF AG НA AI AJ. AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes AM No Yes AN Мо Yes AO No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Schmid, W., and Hehr, J.P., *Location of Spermine, and Other Polyamines on DNA 1300 AR 42 As Revealed by Photoaffinity Cleavage with Polyaminobenzenediazonium Salts,* Biochemistry 30:4357-4361, American Chemical Society (1991) Seth, P., et.al., "Pathway of Adenovirus Enty into Cells," in Virus Attachment and Entry into Cells, Crowell, R.L., and Lonberg-Holm, K., eds., Américan Society for Microbiology, Washington, D.C., pp. 191-195 (1986) AS Silver, P.A., "Now Proteins Enter the Mucleus," Cell 64:489-497, Cell Press (1991) λT 13 DATE CONSIDERED 12/23/05 EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

。要用ATO TO A CONTROL OF THE ARCONDATE OF Previously Submitted in Angles of the Arcondition of the Arconditio

(·-;.

Page 19 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT Chu ec al. SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER SUB-CLASS FILING DATE м AB · AC ND. AE AF AG AH AI ĄJ AK POREIGN PATENT DOCUMENTS INITIAL DOCUMENT NUMBER CCUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes MA Yes AN No Yes No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Smiff, C.E. and Ludwig: ER. Enhancement of the plaque forming capacity of poliovirus ribonucleic acid with basic proteins. J. Bacteriol. 84:1015-1040. The Williams & Wilkins Company (1962) BOD AR 44 Stegmann, T., et al., "Protein-mediated membrane fusion," Annu. Rev. Biophys. ٨S Biophys. Chem. 18:187-211, Annual Reviews, Inc. (1989) Sugawa, H., et al., "Large Macromolecules Can Be Introduced into Cultured Mammalian Cells Using Erythrocyte Membrane Vesicles," Exp. Cell Res. 159:410-418, Academic Press. Inc. (1985) AT 44 DATE CONSIDERED 12/23/05 EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

 \bigcirc

Ci

second Table (1996). The control of the Previously Submitted in the second seco

·.

		•			ATTY. DOCKET 0942.4650001			APPLICATION 09/438.365	NO.
		FORM	PTO-1449		APPLICANT				
	SEV	ENTH	SUPPLEMENTAL		Chu ec al.				
IN	FORMATI	ON DI	SCLOSURE ST	TEMENT	FILING DATE November 12.	1000		GROUP	
								1635	
EXAMINER	Т	\top		0.9.	PATENT DOCUMENTS				
INITIAL		2000	TUMENT NUMBER	R DATE	NAME		(7.255	SUB-CLASS	FILING DAT
	м						1	305 (553)	FILING DA
	AB		• • •	•			 		<u> </u>
	AC						 		
	AD								
	AE								
	λF							İ	
	AG	\perp							
	AH					_			
	AI								
	N	Ļ							
	AK	<u> </u>							
				POREIGN	PATENT DOCUMENT	s			
XAMINER									
NITIAL	-├	2000	UMENT NUMBER	DATE	COUNTRY		cuss	SUB-CLASS	TRANSLATIO
	AL	i					1 1		Ye
	 	1		+					N
	AM	1		ł					Ye N
		Τ							Ye
	AN	₩				<u> </u>			N
	AO	1		1					Ye
	 ~~	 							N
	AP	!			ļ		1		Ye
		0:	HER (Includ	ing Author	Title, Date, Peri				N
Bop	AR	45	I FTOM CUNA.	Similarity o	emplete amino aci f cell attachmen L Press, Ltd. (1	t sites in	of hum	an victorace actin and f	tin deduced
	AS	45	Tang, M.X., Dendrimers.	et al., "In " Bioconjug.	Vicro Gene Deli Chem. 7:701-714	very by De	graded i	Polyamidoami al Society (Ine (1996) .
	AT	15	Tikchonenko cells using	. T.I., et a proteolipos	l., "Transfer of omes," Gene 63:3;	Condensed 21-330, El	viral (INA into euk	aryotic
AMINER	N			·			DATE CO	WSIDERED /	2/23/05

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Takes the state of

Page 41 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438.365 FORM PTO-1449 APPLICANT Chu et al SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE November 12, 1999 U.S. PATENT DOCUMENTS EXAMINED INITIAL DOCUMENT NUMBER CLASS SUB-CLASS FILING DATE ÄÄ AB AC AD AΕ AF AG Ж AI AJ AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER CLASS SUB-CLASS Yes AM No Yes Yes AO No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Bob "Transfection Reagent" in Genetic Engineering News, Mary Ann Liebert; Inc. AR 96 p. 12, column 3, (June 1993) Trubetskoy, V.S., et al., "Use of N-terminal Modified Poly(L-lysine)-Antibody Conjugate as a Carrier for Targeted Gene Delivery in House Lung Endothelial Cells, Bioconjug. Chem. 3:323-327, American Chemical Society (1992) AS 16 Väänänen, P., and Kääriäinen, L., *Pusion and Haemolysis of Erythrocytes caused by Three Togaviruses: Semliki Forest, Sindbis and Rubella, J. Gen. Virol. 46:467-475, Cambridge University Press (1980) AT DATE CONSIDERED 12/23/05 EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

		FOR	M PTO-1449		ATTY. DOCKET NO. 0942.4650001/RWE/TICN 09/438.365 APPLICANT				Page 42 of.
INI	SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT							GROUP	······································
		=			FILING DATE November 12, 1	999		1635	
				U.S. P	ATENT DOCUMENTS				
examiner Initial		DC	CUMENT NUMBER	DATE	NAME	i			
	AA	7		- UNITE	NATE		CLASS	SUB-CLASS	FILING DAT
	AB			· ·	 			 	
	AC			T					
	AD								
	AE								
	AF	4_							
	AG	4-	 			•			
	AH	+-							
	AI	+-	·	<u> </u>					
	AJ	+-							
	AK	٠			<u>-L</u>				
CAMINER	T -	_		FOREIGN	PATENT DOCUMENTS	<u>_</u>			
TITIAL		2000	CUMENT NUMBER	DATE	COUNTRY	ا .			
		T			COGNIKI			SUB-CLASS	TRANSLATION
	AL_	┷			<u></u>				Ye:
	AM	1							Yes
	1	+-			 				No
	AN				1		ł		Yes
		Γ				_			Yes
	AO	┼							No.
	AP.	1			1	1			Yes
			THER (Tochuding	Annhari 24	tle, Date, Pertin				No
Bob	AR	47	Van Zee, K., Localization	er sir, A	Hydrophobic Prote pendently of Prot ociety for Microb	in Sequence ein Contex iology (19	e Can	Ov erride a ol. Cell. Bi	Nuclear
	AS	12	1 ** GUBTOCTCS !	. 272:16010-	uncated HIV-1 Tat Plasma Hembrane & 16017, The Americ June 1997)			Commain Rapid	ily .
	AT	4.7	I combieres dies	CIA SUDTUCE	ling of adenovirus receptor-mediat Natl. Acad. Sci.	ed cene d	-14		
MINER		~	<u> </u>	······································	··	To	TE 00	SIDERED .	

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in the control of the control of the previously Submitted in the control of

Page 43 of 57 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 **APPLICANT** SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE GROUP November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS FILING DATE AA AB AC AD. AE AF AG AH AI AJ POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION Мо Yes No Yes No Yes AO No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Magner, S., et.al: "Transferrin-polycation conjugates as carriers for DNA uptake into cells," Proc. Natl. Acad. Sci. USA 87:1410-J414, National Academy BJD 48 Wagner, E., et al., 'Influenza virus hemagglutinin HA-2. N-terminal fusogenic peptides augment gene transfer by transferrin-polylysine-DNA complexes: Toward a synthetic virus-like gene-transfer vehicle, ** Proc. Nacl. Acad. Sci. USA 89:7914-7918, National Academy Press (1992) AS 48 Wagner, E., et al., "DNA-Binding Transferrin Conjugates as Functional Gene-Delivery Agents: Synthesis by Linkage of Polylysine or Ethidium Homodimer to the Transferrin Carbohydrate Moiety," Bioconjug. Chem. 2:226-231. American Chemical Society (1991) AT 48 DATE CONSIDERED 12/13/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

(

Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

.....

next communication to Applicant.

Page 44 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al FILING DATE GROUP November 12, 1999 1635 U.S. PATENT DOCUMENTS Examiner INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS м AB AC AF AF AG AH AI AJ PORZIGH PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION No Yes AH No Yes No Yes AO No Yes · No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Walker, C., et al., "Cationic lipids direct a viral glycoprotein into the class I major histocompatibility complex antigen-presentation pathway," Proc. Nacl. Acad. Sci. USA 89:7915-7918, National Academy Press (1992) BOD 49 -----Wayner, E.A., et al., "Identification and Characterization of the T Lymphocyte Adhesion Receptor for An Alternative Cell Attachment Domain (CS-1) in Plasma Fibronectin," J. Cell Biol. 109:1321-1330, The Rockefeller University Press AS 12 (1989) Weinstock, L.T., et al., 'Synthesis of New Polyamine Derivatives for Cancer Chemotherapeutic Studies,' J. Pharm. Sci. 76:956-959, American Pharmaceutical AT Association (1981) **EXAMINER** DATE CONSIDERED 12/23/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with

	Form PTO-1449				_
	ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003	1
•	APPLICANT Chu et al.			GROUP 1642	4
Jackson J. Sp.	er er i de seke er kommer er er <u>som er er er</u> Er er	Previou	isly Submitted	Ninter State And Land	٢

	SE		M PTO-1449		ATTY. DOCKET NO. 0942.4650001/RWE/TH APPLICANT Chu et al.	М	APPLICATION 09/438,365	Page 45 of
INFORMATION DISCLOSURE STATEMENT				FILING DATE November 12, 1999		GROU7 1636		
				U.S. P.	TENT DOCUMENTS			
EXAMINER INITIAL	- }	~	CUMENT NUMBER					
	144	1	CONENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DAT
- :	AB		• • • • • • • • • • • • • • • • • • • •				 	
	AC						 	
	ND.	\perp					 	
	AE_							
	AF	+						
	AG				•			
	AH AI				<u> </u>			
	AJ	+-			 			
	AK	+-			 			
	1			BODETON O	1		<u> </u>	L
AHINER		T^-		FUREIGN	ATENT DOCUMENTS			
TTIAL .		2000	UMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL.	1						Ye.
	AH	\perp						Ye:
	AR							Yes
	AO							Yes
	AP							Yes
			THER (Including	Author, Tit	le, Date, Pertinent P.			No
300	AR	50 	Wickham, T.J., Chrough replace	er al.	argeting of adenovirus s RGD motif with other -756, Stockton Press (penton b		receptors -
	AS	50	Receptor-defic	ient Rabbits	patocyte-directed Gene Sypercholesterolemia i , J. Biol. Chem. 267 Fular Biology, Inc. (1	n Lov Dens		
	AT	50	Wolff, J.A., et 247:1465-1468,	al., 'Dire American As	ct Gene Transfer into sociation for the Advi	Mouse Mus	cle in Vivo f Science (,° Science 1990)
MINER	7	<u> </u>					SIDERED /2	

Form PTO-1449			
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.			GROUP 1642

4.1

Page 46 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu ec al. FILING DATE GROUP November 12, 1999 1635 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS FILING DATE AA AB AC AD AΕ AF AG AH AI LΑ AK POREIGN PATENT DOCUMENTS INITIAL DOCUMENT NUMBER COUNTRY TRANSLATION Yes AL. Yes No Yes AN No Yes No Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Wu, G.Y. and Wu, C.H. Receptor mediated Gene Delivery and Expression in Vivo, J. Biol. Chem. 263:14621-14624, The American Association for Biochemistry and Molecular Biology. Inc. (1988) BOD AR 51 Mu. C.H., et al., "Targeting Genes: Delivery and Persistent Expression of a Foreign Gene Driven by Nammalian Regulatory Elements in Vivo, J. Biol. Chem. 264:16985-16987, The American Society for Biochemistry and Molecular Cell. Biology, Inc. (1989) AS 51 Mu, G.Y., and Mu, C.H., "Evidence for Targeted Gene Delivery to Rep G2 Repatoma Cells in Vicro." Biochemiscry 27:887-892, American Chemical Society (1986) AT 51 DATE CONSIDERED /2/23/05 EXAMINED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		7
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

(<u>;</u>,

()

- AT LEADER WALL

Previously Submitted in:

FORM PTO-1449					ATTY. DOCKET NO. 0942.4650001/RMZ/THN 09/438,165			
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			Chu ec al. FILING DATE	Chu ec al.		GROUP		
					November 12, 19	99	1635	
EXAMINER	\top	\top		0.5.	PATENT DOCUMENTS			
INITIAL		DC	CUMENT NUMBER	DATE	NAME	GAS	S SUB-CLASS	FILING DAT
	_ \ <u>\</u>						1	TIBING DA
	AB			 				
	AC AD	+-		 _				
	AE	+-		 				
	AF			 				
	AG	\top		 	- 			
	AH	T^{-}					 	<u> </u>
	AI	I					+	
	NJ.						+	
	AX						 	
W				POREIGN	PATENT DOCUMENTS			
XAMINER NITIAL	1	200	TUMENT NUMBER	DATE				
				DATE	COUNTRY	CLASS	SVB-CLASS	TRANSLATIO
	AL	+-						Ye No
	AM	\perp						Ye:
	AN	\perp						Yes
	AO							Ye:
	AP						-	No.
	105						<u> </u>	. No
B00	AR	1	Wur G. Y. Fet of genetic an	al. Recep	itle, Date, Pertine tor-mediated Gene I in nagase rate, chemistry and Molec	Selivery in a	Ivo-Partial	-correction
	AS	52			poration of Histone ediated Gene Transf Biochemistry (1991		mes Increases . Biochem. Nu	the cr. 10:21-
	AT	Ħ			Adenovirus-mediated Acctors, J. Biol. Erry and Molecular			nsfection American
MINER /	ot Z				er or not citation	DATE C	ONSIDERED /2	12/05

Form PTO-1449				
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE 7/28/2003	
APPLICANT Chu et al.			GROUP 1642	_

		FORM PTO-1449		ATTY. DOCKET NO. 0942.4650001/RME		APPLICATION NO. 09/438,365			
			_	APPLICANT Chu et al.	APPLICANT				
IN	FORMATIC	NTH SUPPLEMENTA	<u>l</u> Atement	FILING DATE	Т.	GROUP			
				November 12, 199		1535			
			U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBE	R DATE	NAME	CLASS	SUB-CLASS	FILING DAT		
	AA.	 							
	AB .	<u> </u>		·					
	AC								
	AD AE	 							
	AF								
	AG	 							
	AH						ļ <u> </u>		
	AI						 -		
	AJ						 		
	AR								
			POREIGN	PATENT DOCUMENTS			<u> </u>		
KAMINER				T					
ITIAL	-	DOCUMENT NUMBER	DATE	COUNTRY	cuss	SUB-CLASS	TRANSLATIO		
	AL	•					Ye		
	AM						Ye.		
	AN					•	Ye:		
	AO						Ye:		
			~ 	 			No.		
	AP						Ye:		
		OTHER (Includ	ing Author, T	itle, Date, Pertinen	t Pages, etc.)	<u>i"</u>		
BJB	AR g			"Interaction of Enve on Sendal, Influenza y 128:186-194, Acade			ar Bilayer and Semliki		
	AS §			ptor-mediated endocy way to introduce DM 3655-3659, National			yeation ls,* Proc.		
	AT <u>5</u>			*DNA transfection on t: characterization a D3, Elsevier Science		tionic lipo of action,	somes * Biochim.		

Form PTO-1449	·	
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in the contract of the state of the

Page 49 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/438,365 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE GROUP U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS SUB-CLASS FILING DATE 24 AB AC AĎ AE AF AG AH AI λJ POREIGN PATENT DOCUMENTS EXAMINED INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes AM Yes AN No Yes AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Zhu, "Z.; et al., "Transformation of tobacco protoplasts with DNA entrapped in " pN-sensitive liposomes," Plant Cell, Tissue & Organ Cult. 22:135-145. Kluwer Academic Publishers (1990) 1300 ====: · ---CAPLUS, Acession No. 1972:461856, STNEasy CAPLUS English language abstract for for Hetschko, M., and Gosselck, J., "Reaktionen von sulfoniumsalzen des 1,3-dithiolans und seiner 2,2-substitutionsprodukte," Tetrahedron Lett. 17:1691-AS 1692, Pergamon Press (1972) (Document AT23) Dialog File 351, Accession No. 7672839, Dervent WPI English language abstract for EP 0 304 111 B1 (Document AN4) AT 54 EXAMINER DATE CONSIDERED 12/23/05 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

.:

Form PTO-1449	•			
ATTY DOCKET NO. 61-03A	SERIAL NO.	10/629,522	FILING DATE	7/28/2003
APPLICANT Chu et al.			GROUP 1642	
-			1 011001 1072	·

Page 50 of 52 ATTY. DOCKET NO. 0942.4650001/RWE/THN APPLICATION NO. 09/418.165 FORM PTO-1449 APPLICANT SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Chu et al. FILING DATE GROUP U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER NAME CLASS FILING DATE AA AB. AC AD AE AF AG AH AI IJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION Yes Yes No Yes AN Мо Yes AO No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Dialog File 351, Accession No. 8628544, Derwent WPI English language abstract for WO 91/04668 Al (Document A04) Bop AR 55 Dialog File 351. Accession No. 8822189, Dervent WPI English language abstract for DD 290 877 AS (Document ANS) AS Dialog File J51, Accession No. 9150067, Derwent MPI English language abstract for MO 92/1J570 A2 (Document AL6) AT 55 EXAMINER DATE CONSIDERED 12/23/05 Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

	Form PTO-1449	
	ATTY DOCKET NO. 61-03A SERIAL NO. 10/629,522 APPLICANT Chu et al.	FILING DATE 7/28/2003
State Const	Previously: Submitted	GROUP 1642

FORM PTO-1449				ATTY. DOCKET NO. 0942.4650001/RWE/ APPLICANT	Page 51 of APPLICATION NO. 09/438,365			
1	NFORMATI	ENTH SUPPLEMENTAL ON DISCLOSURE STA	TEMENT	Chu et al. FILING DATE November 12, 1999		GROUP		
			ATENT DOCUMENTS					
examiner Initial	- 1		1			Т —		
	- AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SVB-CLASS	FILING DAT	
	AB							
	AC	 					• • • • • • •	
	AD					<u> </u>		
	AE			 		ļ <u>.</u>	ļ	
	AF			 		 		
	AG	<u> </u>				 	 	
	AH	 				 	 	
	AI AJ	 						
	AK							
		L		 _				
AMINER			POREIGN ;	ATENT DOCUMENTS				
INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	IRANSLATIO	
	AL		 				Yes	
	AM						Yes	
	AN		ļ				Yes	
	AO						Yes	
	AP						Yes No	
	Т	OTHER (Includin	g Author, Tit	le, Date, Pertinent	Pages, etc.)		
JD	AR :	Dialog File 1 for WO 93/072	S1 Accession	No 0412204 -		sh language		
	AS S	Dialog File 3 for HO 93/072	51, Accession 83 Al (Docume	No. 9440951, Derwer	•			
	AT Si	Dialog File 32 for EP 0 544 2	il, Accession 192 A2 (Docum	No. 9483543, Derven	t WPI Englis	h language	abstract	
INER	5				DATE CON	SIDERED 1 -		
		reference consideration if not in co				17	123/05	

	\circ
Form PTO-1449	
ATTY DOCKET NO. 61-03A SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	GROUP 1642

FORM PTO-1449 SEVENTH SUPPLEMENTAL				ATTY. DOCKET NO. 0942.4650001/RME/THN APPLICANT Chu et al.			APPLICATION NO. 09/418,365			
INFORMATION DISCLOSURE STATEMENT					FILING DATE November 12, 1999			GROUP 1635		
				U.S.	PATENT DOCUMENT	s				
EXAMINER INITIAL	ļ	ا	OCUMENT NUMBER	DATE						
		+	JOHN WONDER	DATE	NAME		CLASS	SUB-CLASS	FILING DAT	
	AB	\perp		i			+	 		
	AC.	_					+	 	 -	
	1/10						 	 	 	
	AE	+					1			
-	· AF	+		ļ					<u> </u>	
	AH	+-		 					<u> </u>	
	AI	+		 	- 		ļ <u>.</u>			
	IJ	1			- 		ļ			
	AK	T					 			
				POREIGN	PATENT DOCUMENT					
XAMINER NITIAL	1									
TITAL		100	CUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
	AL						1		Yes	
		I^-			 		 		No.	
	AM	╅—						<u> </u>	Yes No	
	AN						I		Yes	
		Γ		-					No	
	AO	+-						1	Yes No	
	AP	1			1				Yes	
		-	THER (Including	Author T	1:10 Page Page				No	
Bod	AR	57	Dialog File 35 for WO 94/2375	1. Accessi	ion No. 10073779 Iment ANO)	, Derwent	WPI Engl	ish languag	e abstract	
			<u> </u>			• • • • • • • • • • • • • • • • • • • •			٠. ا	
	AS 57 Dialog File 151, Accession No. 10968011, Derwent WPI English language abstract for WO 96/31549 A1 (Document A010)									
	AT									
MINER		7	/				11 TE			
] [DATE CON	SIDERED / 2	1	